

62
SPRING

1957

Catalog No. 159



7 YEAR XX

Description

Page

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4 YEAR

2 YEAR

Return Postage Guaranteed

Form 3547 requested

**KELSEY
NURSERY
SERVICE**

Highlands, N. J.

(formerly New York City)

The Advantages of this Catalog

It is easy. Sit back in comfort and take your time. Faithful pictures, honest descriptions, exact specifications all tell MORE about a plant than looking at it does. Order as soon as you wish, we ship at proper planting time. Our liberal guarantee and eighty-year reputation make it safe to order this way. Most large wholesale ordering is by mail.

It is more fun, since new and rare varieties are far sooner available from catalogs than in local sales yards. Our enormous selection offers hundreds of kinds more than local nurseries can. You get better varieties that are more exciting too.

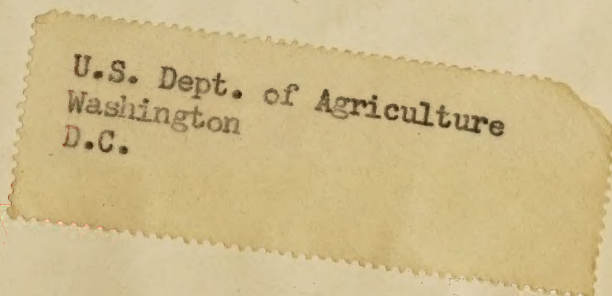
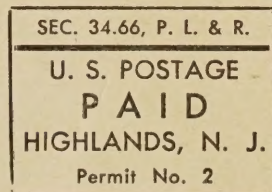
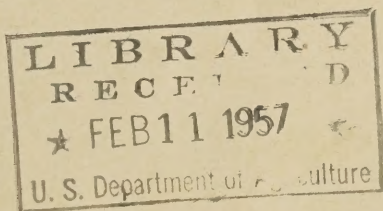
It is the best way to plan properly. No sales talk, but real information on shade, acidity, moisture, etc. Mark out at leisure where each plant you want grows best in your garden conditions. Result, better growth and far less work.

Ninety percent of our shipments are by express, but we do ship by mail where possible. Unlike most other nurseries, however, stock is not shipped from the wholesale growers to a central packing plant or display center. It is shipped direct from growing fields to YOU. Therefore (1) our stock is usually fresher; (2) costs average less; (3) very many more kinds can be offered this way.

We have thousands of satisfied customers, and more every year. Many write enthusiastic letters. But, if anything goes wrong, we try to be more than fair. We will never be perfect in this world, but we do try hard to furnish only good stock.

Kelsey Nursery Service

P. S.—The worst drought in eastern U. S. weather history was late last May. Our guarantee (see next page) still applies on any losses the first season.



Please send items listed below to:

.....

.....

.....

.....

- ☐ **EXPRESS (Usual Method)**
I will pay express on arrival. (Minimum expressage \$1.95.)
- ☐ **PARCEL POST (4 ft. limit, no B&B stock).** I enclose 10% additional for postage and handling.
- Enclosed Find \$.....
- ☐ **Charge my account.**

Enclosed Find \$.....

Quantity	NAME OF PLANT	Size	Amount
<p>Handling fee (if order is \$2.50 or less)</p>			



Fill in the order form and enclose check. Shipment is made with express charges collected on arrival. You will get a prompt acknowledgment indicating approximate shipping time.

Unlike other things you buy, nursery stock must be ordered in advance—Why? Because our whole year's shipments come in a few months' time and there is never enough help. Shipments are scheduled long in advance. Order now, we will ship at proper time later.

PRICES—Net at the nursery. Transportation to be added at actual cost. Usually 5 sold at rate per 10, 50 at 100 rate.

PACKING COSTS—Free if Cash accompanies order, except stock dug with a ball of earth. Otherwise, packing is charged at cost (usually 10% of cost of stock). Balled, heavy evergreens: we will estimate costs in advance if you wish.

LIMITED RESPONSIBILITY — We disclaim responsibility for any reason in amounts greater than invoiced.

CLAIMS for errors, shortages or other causes must be made within 10 days.

We will allow a credit of 50% of the catalog value of any stock that dies the first year. Credit to be used on future orders as you wish. We also guarantee 100% safe, satisfactory arrival—but you must report trouble within 10 days.

35c

Catalog No. 159
SPRING
1957

A Short Guide

TO THE BEST VARIETIES OF HARDY PLANTS

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20 year specimen Upright Yew.

**KELSEY
NURSERY
SERVICE**

office: HIGHLANDS, N. J.

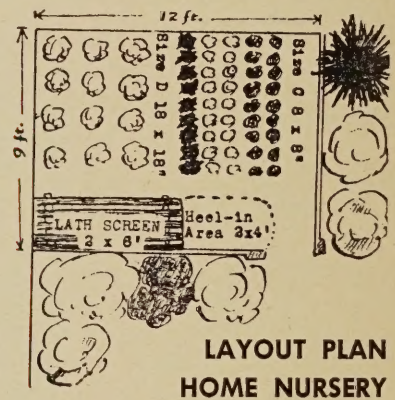
EIGHTIETH YEAR-ESTABLISHED 1878

Start A HOME NURSERY

with
young
plants



that will in a few years, with little care, be \$25 specimens. Do not wait until you need large trees in a hurry, but look ahead 5 or even 10 years hence.



The plan shows a corner of a lot using a 9 by 12 foot area for a nursery—no more space than used by a small specimen tree. The shrubbery masks the area. Exposure is planned as if north were at the top—but any exposure would do, locating the Lath Screen in shady spot.

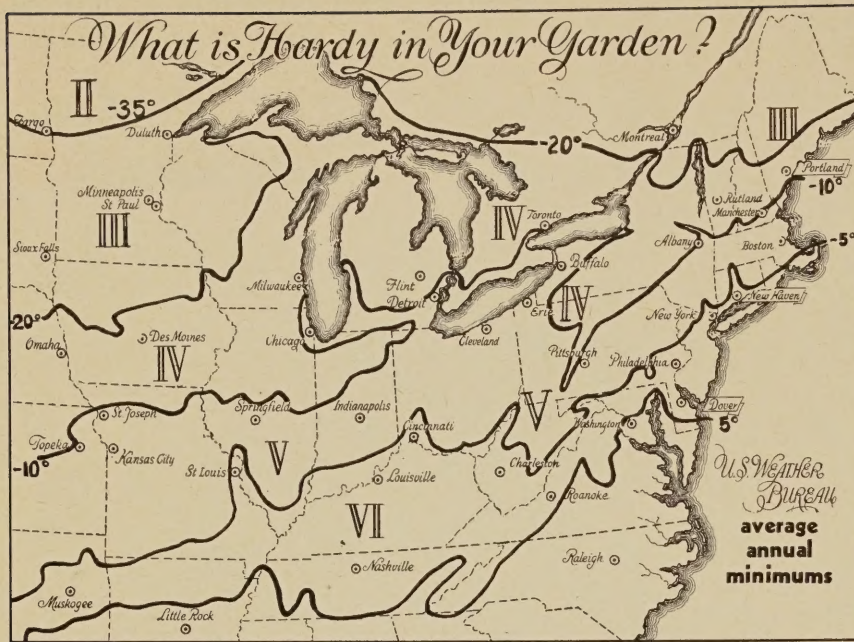
Lath Screen sketched below is very important for young plants the first summer. Simply built of ordinary lath and a few nails. Screen is rested on the posts.

Soil Preparation

The lath-house soil should be sandy loam with an original dressing of 3 inches of manure worked on to a spade depth. The nursery itself can be heavier soil, but requires manure as well. Avoid lime.



Heel-in Area. Even a tiny spot kept free for this purpose, enables one to temporarily plant a shipment of plants the day received. They can safely remain for weeks if need be before permanent planting. Water well.



CLIMATE MAP

The numbers I to VII in the map refer to Zone numbers printed after each plant name throughout this Guide. It shows the northern limit beyond which any given plant cannot grow. This is not a perfect rule. Two modifications might be mentioned. East of Indianapolis, a damper climate makes all evergreens hardier. West of Indianapolis hot western summers make deciduous trees hardier than rated in this Guide.

IN THIS SHORT GUIDE it is taken for granted that most trees and shrubs require normal food, air and water. Thus a plant needing more air than usual at its roots is marked "loose soil" or "drain". Plants very easy to grow are referred to as "tolerant" or may have no notes whatsoever.

Light — "sun", "shade".

Light makes the chlorophyl factory turn its wheels. All plants need some. Those that get along best on little light are marked "shade" in this Guide. Those that need a great deal are marked "sun".—Normal plants are not marked.

Air — "loose", "heavy", "drain".

Roots get oxygen from air that filters into the earth. Some plants need more than others; these must have loose soil and will suffocate in heavy damp clays. Such plants are marked "drain".

Water — "damp", "dry".

Roots can only use chemicals that are dissolved in water. Also, water is the means of transportation up the stem. Some plants need more than others and die in severe drought. In the descriptions such are marked "damp". A loose soil quickly dries, a heavy soil keeps damp. Thus water and air for the roots are both present in a mixed soil.

Food — "humus", "rich", "barren".

- Potassium**—most soils have plenty.
- Phosphorus**—needs to be added in most soils with fertilizer.
- Nitrogen**—Fertilizer supplies it, but water quickly leaches it out, so permanent plants depend on bacteria in the soil. These bacteria depend on:—
 - Acidity of soil (lime, etc.).
 - Drainage of soil (air).
 - Humus in the soil (food).

Two pages of RARE PLANTS for your

BUY ANY FIVE: This page shows the products of one nursery in New Jersey. One of these plants cannot be sold alone. Minimum order 5. If desired parcel post, add 10%.

1. Save money and labor
2. Save disappointments
3. Save delays
4. Increase your enjoyment
5. Rare and interesting
6. Culture not difficult

A—Seedlings or Rooted Cuttings

Must be shaded first two years. Planted 2 in. x 2 in., lath-house holds 432. After two years, must be transplanted into next grade.

B—Once Transplanted Grade

Grown as above, or bought. (Our 2 yr. and 3 yr. Azaleas, e.g.) Space about 5 in. x 5 in. (80 in the lath-house pictured). Shaded first year, but the second year shade omitted except in drought. In 2 years, now twice transplanted ("XX"), usable as hedge plants, for bedding, etc.

C—Twice Transplanted Grade

Can be moved into open, spaced 9 in. x 9 in. (nursery pictured holds 104) and left two years. They are 'shaped,' straggly branches lopped off with sharp knife. Cultivate, fertilize, water, no shade needed. After 2 years, they are XXX (three times transplanted), bushy and shapely.

D—Specimens

Every garden needs some larger, well formed plants. Such specimens are grown 2 or more years spaced 18 in. x 18 in. (nursery pictured holds 32).

ABELIA grandiflora. (Each)	
2¼ in. pot	\$1.00
ACER palma atropurpureum (Red leaf). Seedlings 3 in. pot	1.60
1 yr. graft 3 in. pot	3.40
— platanoides ascendans (columnar). 6-10 in. 1 yr. graft.....	3.50

— saccarum monumentale (columnar). 8-12 in. 1 yr. graft.....	3.50
---	------

AZALEAS.

5-8 in. X (small ball)	1.40
— Kaempferi —orange, May.	
— Mollis —yellow, red, mixed.	
— Mucronulata —rose, lilac, April.	
— Poukhanonse —lilac, May.	

BUXUS koreana (hardy dwarf Box). 2¼ in. pots	1.20
---	------

COTONEASTER adpressa praecox and horizontalis . 2¼ in. pot	1.35
--	------

FAGUS (Purple Beech). 18 in. 2 yr. (pot)	5.90
---	------

FRANKLINIA . 3 in. pot (12 in.)	1.90
--	------

HAMAMELIS mollis (Chinese Witch-Hazel). 1 yr. graft (12 in.)	3.40
2 yr. graft (12-18 in.)	4.00

ILEX crenata (Japan Hollies). Varieties: Convexa , latifolia or rotundifolia . 4 in. pot (8-12 in.)	2.40
---	------

FRANKLINIA . 2 to 2½ ft. BB	6.00
3 to 3½ ft. B&B	7.00

PIERIS Japonica . 9-12 in. B&B	3.00
---	------

HOME NURSERY

ALSO NEXT PAGE

JUNIPERS 2¼ in. pots	1.20
Varieties: Pfitzer , Bar Harbor , Pfitzer-compact , Andorra and Sargentii .	

LEUCOTHOE catesbaei . 12-15 in. (small ball)	2.20
---	------

LAUROCERASUS Schipka (Hardy Laurel). 3 in. pot (6-9 in.)	1.60
---	------

PIERIS Japonica . 6-9 in. (small ball)	1.40
---	------

— Floribunda 4-6 in. (ball)	1.40
--	------

RHODODENDRON hybrids.

— Seedlings , mixed. 6-9 in. (small ball)	1.30
--	------

— Named (own root). 1 yr. X. 3.85 (Caractacus , E. S. Rand , Chas. Bagley , Dresselhuys , English Roseum , I. Sargent , Roseum elegans , R. Superbum , Catawbiense Album).	
--	--

— Carolina (6-9 in.) (ball) ...	1.60
--	------

SARCOCOCCA Humilis — evergreen shade-loving dwarf. 2¼ in. pot	(5 for \$4.95)
--	----------------

TAXUS (yew) vermeulen , hatfield and Capitata . 9-12 in. XX	2.60
---	------

THUJA occidentalis (Arbovitae) 18-24 in. XX	2.20
---	------

VIBURNUM burkwoodi . 3 in. pot (2 yr.)	1.60
---	------

ALSO LARGER: Here are some larger sizes. You may include them with plants above to make up 5 minimum; but the shipment then must go express (charges collect).

AZALEAS 12-15 in. B&B.....	4.75
-----------------------------------	------

—**Hinocrimson**—red dwarf.

—**Lorna**—double rose-salmon.

ILEX crenata (Japan Hollies). Varieties: Rotundifolia , latifolia . 9-12 in. B&B	3.00
---	------

RHODODENDRON hybrid seedling. 6-9 in. B&B	2.60
--	------

TAXUS capitata (upright Yew). 12-15 in. B&B	4.50
--	------

HYBRID RHODODENDRONS 50¢

(Mixed Seedlings as listed below)

and other rare evergreens

for your HOME NURSERY

Safe and Easy!

Plants arrive actually growing in 2-inch wooden bands (clip off when you plant). They don't know they've been transplanted! We cannot ship until all frost is over (May) but be safe and ORDER NOW.

Sold only in

Boxes of 12



Box of 12—all one kind \$6.00

(6 each of two kinds \$6.50)

Postpaid East of the Rockies

. . . Also the Following Evergreens . . .

AZALEA Mary Hawkins—brilliant pink. Zone V.

Purple Splendor—purple, double. Zone V.

Rosebud—dwarf, double blush-pink. Zone V.

Rosé Greeley—double white, showy. Zone V.

Flame—huge single red, dwarf growing.

***Hexe**—extra showy scarlet, double.

***Hinocrimson**—a much improved, hardier
Hinodigiri.

Mrs. Addy Wherry—double red, new, fine color.

***Sherwood Red**—another fine new double red.

Betty—brilliant rosy-pink, tall. Zone IV.

Fedora—large, tall, salmon-rose. Zone IV.

Othello—large, tall, brick-red. Zone IV.

***Indica Alba**—large white, tall, single.

Palestrina—large double white, new.

Queen Wilhelmina—late large single red, new.

AZALEA, Two Good Deciduous Kinds.

Mollis hybrids—mixed yellow and red, single.

Vaseyi—clear pink. May. Zone V.

ABELIA grandiflora—pink-white all summer.

BERBERIS JULIANA—6 foot bush. Zone V.

Verruculosa—dwarf, yellow bloom.

CAMELLIA SASANQUA. (Hardy to Zone VI).

***Cleopatra**—semi-double rose, peony-type.

***Apple Blossom**—single pink, charming.

***Maidens Blush**—single blush, very popular.

COTONEASTER horizontalis—red berry, spreads.

ERICA darleyensis—dainty pink bells, March.

ILEX CORNUTA Bufordii—Chinese Holly.
Zone VI.

ILEX CREN convexa—boxleaf Holly. Zone IV.
***Crenata rotundifolia**—Japan Holly.

ILEX OPACA—female, berried American Holly.

ILEX OPACA—male, pistillate American Holly.

JUNIPER pfitzer—6 ft. spreading, popular.
glauca Hetzi—similar, more vigorous.

MAHONIA aquifolia (Holly-grape)—blue fruit.

PIERIS japonica (Andromeda)—white, April.

PYRACANTHA Lalandi (Firethorn)—orange berries.

***RHODODENDRON Carolina**—pink in May.

***Catawbiense**—rose-purple, June. Zone IV.

***Hardy Hybrid Seedlings**—mixed colors, June.
Fortunei—large pink bloom. Zone VI.

TAXUS Cuspidata (Spreading Yew)—broad, low.

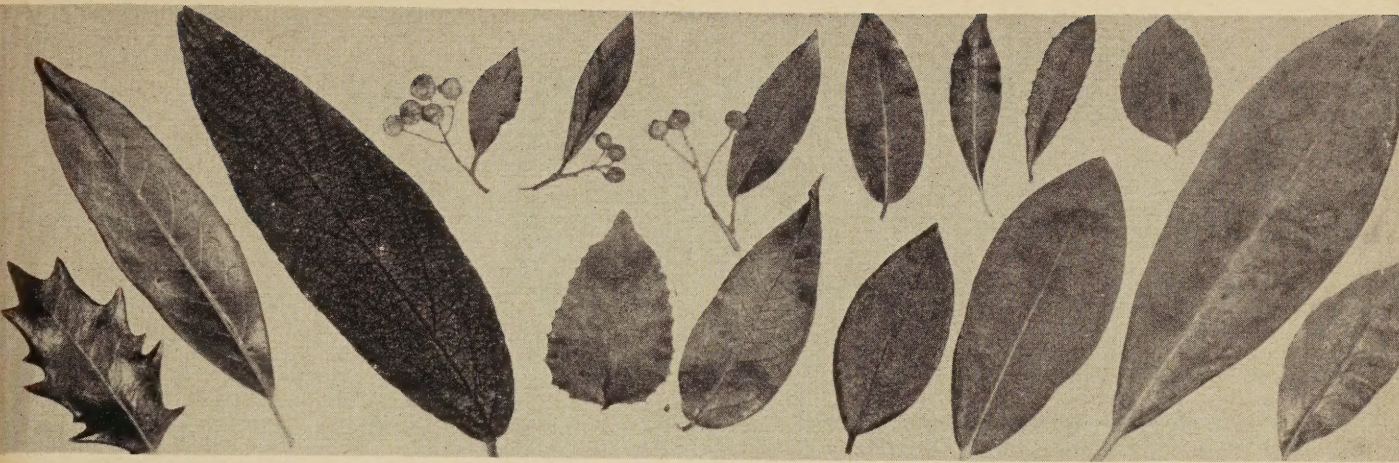
Capitata (Upright Yew)—tall pyramid.

nana ("Brevifolia")—dwarf yew.

Hicksi—fat, upright column to 6 feet.

Hatfield—Extra hardy small upright yew.

* Varieties marked with asterisk available in older plants, 3-inch bands, in Boxes of 6. All one kind \$6.00 postpaid, or 3 each of 2 kinds \$6.50.



(Bottom) Osmanthus, laurocerasus, Viburnum rhytidophyllum, Mahonia, Leucothoe, Rhododendron Carolina, Catawbiense, maximum, Kalmia.
(Top row) Pyracantha Lalandi, Cotoneaster salicifolia, Stransvaesia, Pieris floribunda, P. japonica, berberis Juliana, Euonymus patens.

On the following pages are arranged alphabetically the really choice, showy Evergreen Shrubs. No plants in gardens are easier to care for, once planted on suitable sites. Their very name tells the treatment: Broad evergreen leaves transpire water constantly, so extra moisture is needed when planting and all year. Mulching with peat helps conserve soil moisture. All easy to grow—Acid-soil kinds, however, **must** have acid soil.

PLANTING

- No fertilizer—little or no pruning.
- Mulch with leaves after planting.
- Water Well.

BROADLEAF EVERGREENS
WITH BALL

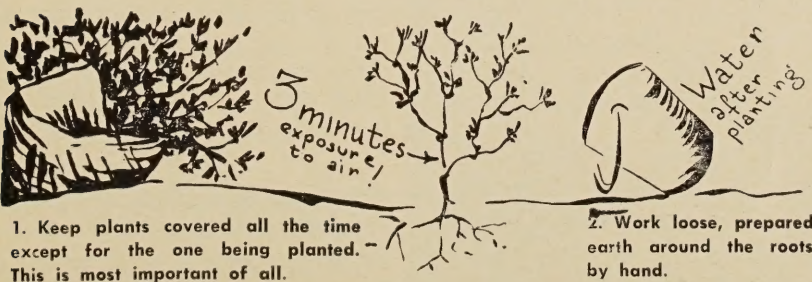


DWARFS	× = flower ○ = fruit		Early	May	June	Summer	Autumn
Azalea kurumes.....	..	×	×	×	×	×	×
Azalea hinodigiri.....	..	×	×	×	×	×	×
Azalea macrantha.....	..	×	×	×	×	×	×
Berberis verruculosa.....	..	×	×	×	×	×	×
Calluna (Heather).....	..	×	×	×	×	×	×
Cotoneaster horizontalis.....	..	×	×	×	×	×	×
Cotoneaster microphylla.....	..	×	×	×	×	×	×
Daphne cneorum.....	..	×	×	×	×	×	×
Erica carnea.....	..	×	×	×	×	×	×

LARGER SHRUBS

Abelia grandiflora.....	..	×	×	×	×	×	×
Azalea arnoldiana.....	..	×	×	×	×	×	×
Azalea Gables.....	..	×	×	×	×	×	×
Azalea ledifolia.....	..	×	×	×	×	×	×
Cotoneaster salicifolia.....	..	×	×	×	×	×	×
Ilex opaca.....	..	×	×	×	×	×	×
Kalmia latifolia.....	..	×	×	×	×	×	×
Leucothoe catesbaei.....	..	×	×	×	×	×	×
Lonicera fragrantissima.....	×	×	×	×	×	×	×
Magnolia glauca.....	..	×	×	×	×	×	×
Mahonia aquifolium.....	..	×	×	×	×	×	×
Pieris floribunda.....	..	×	×	×	×	×	×
Pieris japonica.....	..	×	×	×	×	×	×
Pyracantha lalandi.....	..	×	×	×	×	×	×
Rhododendron carolina.....	..	×	×	×	×	×	×
Rhododendron catawb.....	..	×	×	×	×	×	×
Rhododendron maximum.....	..	×	×	×	×	×	×
Rhododendron H. Hybrids.....	..	×	×	×	×	×	×

Planting Evergreens without a Ball



Broadleaf
Evergreens

PAGES 7 to 15

ABELIA. Early grown, tolerant evergreen shrubs. Sun.

—**Grandiflora** (Glossy Abelia). 5 ft. Zone V, evergreen to Zone VI. Almost perfect shrub. Small bright leaves, graceful growth, Any soil. Sun. Pinky-white bells from June to October. Leaves bronze in winter.

*6-12 in. X5 \$3.00 100 \$35.00
1-1½ ft. BB\$3.50 each, 10 \$20.00
3 ft. BB\$6.50 each, 5 \$35.00

—**Edward Goucher.** New (Pink Abelia) 5 ft. Zone VI. More evergreen than above. Flowers twice as large and strong, clear pink, June to October.

*2 yr. pots10 \$7.50, 100 \$60.00
2 ft. BB\$7.50 each

—**USDA No. 101092**—New form like Edward Goucher, but darker pink.

*2 in. pot5 ppd. \$4.50, 25 \$20.00

Abelia grandiflora.



DECIDUOUS AZALEAS

Canadense (Rhodora). 3 ft. Zone II. Purple, April. Moist, acid. The hardiest. (Collected carefully.)
12 in. BB 5 for \$12.00, 100 \$150.00

Japanica. 6 ft. Zone IV. Orange to flame in May. Very hardy.
*4 to 8 in. X 10 for \$6.00, 25 \$14.00

—**J. alba.** Large pure white form. Very scarce.
8 to 10 in. BB \$3.50 each, 10 \$15.00

Gandevensis (Ghent Hybrids). 3 ft. Zone IV. Various colors. May.

—**Coccinea speciosa**—orange red.

—**Therese**—rosy red.

—**Narcissiflora**, double yellow.

9-15 in. BB\$5.50, 5 for \$22.50

Mollis (Chinese Azalea). 2 to 5 ft. Sun, acid, loose. Zone V. Easy to grow. Large blooms and striking colors. May.

—**Mixed Colors:** yellow to red.

*6-8 in. X 5ppd. \$4.50, 100 \$60.00

12-15 in. X 5 ppd. \$8.50, 100 \$125

—**Named Colors:** red, orange, yellow.

10-15 in.\$3.00, any 2 \$5.00 ppd.

Mollis (pontica) Hybrids. 5 ft. Zone V. Generally, larger and brighter blooms than mollis.

8-12 in. BB\$6.0 each

—**Dr. M. Oesthock**—deep scarlet.

—**Kosters Brilliant**—glowing orange red.

Knaphill Hybrids. 3 to 5 ft. Zone VI. Noted for wonderful colors, perfume, Autumn foliage. Mixed seedlings.

*4-8 in. X5 for \$4.00, 50 \$27.50

*8 in. X2ppd. \$4.50, 25 \$35.00

Exbury Hybrids. Zone V. Hardy new strain, showy. Kaempferi blood. Mixed seedlings.

*3 to 6 in. X5 for \$6.00 ppd.
(25 for \$15.00)

Schlippenbachii. 15 ft. Zone IV. Large bright pink, scented. Rare.
*6 in. X 5 for \$7.00 ppd., 25 \$20.00

Rosea. 9 ft. Zone III. Dark pink in May. Much better than nudiflora, but scarce.

12 in. clumps 10 \$15.00, 100 \$95.00



(Photo)

Azalea HINOCRIMSON

A better, hardier Hinodigiri. Large, crimson-red, clean color, does not fade, (as Hinodigiri does). Fragrant. Zone V. The plant pictured grew in 3 years from a 3-inch pot plant. 463 blooms were counted on it.

3-yr. XX5 for \$7.00, 25 \$20.00

6-8 in. BB\$3.00, 5 for \$12.50

8-10 in. BB\$4.50, 5 for \$20.00

12-15 in. BB\$6.00, 5 for \$25.00

18-24 in. BB\$8.00, 5 for \$37.50

(This is the hardiest, showiest red, evergreen Azalea we know.)



4 RARE DWARF EVERGREEN AZALEAS

Some new, some old, all in such demand nurseries cannot grow enough. Offer: 2 each of smallest sizes offered, 8 plants for \$10.

Hexe. Zone V, small bush. Evergreen. Crimson red late May.

*2 in. pot10 for \$6.00 ppd.

6 to 8 in. BB\$2.50, 5 for \$8.50

8 to 10 in. BB\$3.25, 5 for \$12.50

Gumpo. Very dwarf. Zone VI. Huge frilled pure white.

*4 yr. XX5 for \$9.00 ppd.

6 to 8 in. BB\$4.00, 5 for \$17.50

Maxwelli. Zone VI. Clear dark red, late May. Large blooms. An old but rare plant, unlike all other evergreen Azaleas.

*3 yr. XX5 for \$6.00 ppd.

6 to 8 in. BB\$3.50, 5 for \$12.50

Sherwood Red. Zone V. Dwarf, compact. Brilliant color.

*3 yr. XX \$5 ppd. \$5.75, 25 \$20.00

10 to 12 in. BB \$4.50, 5 for \$18.00

GABLE HARDY AZALEAS

These hybrids have been made in the effort to originate a hardier strain of the Japanese type of Azalea, keeping form and color. Live and bloom in Zone V.

Cameo. Double soft pink. Early.

Billy—Good single red.

Chinook—Double red.

Ethelwyn—Single, light pink.

Linda Ann—Double pink.

Jimmy Coover. Late single red.

Purple Splendor. Rich purple.

Rose-Bud. Very double pearly pink. Extremely dainty.

"Early Rosebud." (C 12 G)

Any of above kinds, 2 year XX,

5 assorted \$7.50, 5 one kind \$6.00
8-12 in. BB \$4.50 each, 5 for \$17.50

Arnoldiana (Mello-Glow). 6 ft. Bushy. May. Zone V. Cerise, washed gold.

*4 yr. XX2 ppd. \$4.00, 25 \$35.00

Amoena. 4 ft. Almost a species. Type is rosy purple. Zone V.

—**carminata splendens.** Big red.

*3 yr. XX—Any one kind:
5 for \$6.00 ppd., 100 \$90.00

Feldyk Hybrids. "Sweet-pea" Azaleas. Large bright flowers. Zone V.

—**Chloris**—good pink.

—**Jeanne**—Violet.

—**Orion**—Salmon-pink.

—**Psyche**—Clear pink.

*3 yr. XX5 for \$8.50, 25 \$25.00

Kaempferi (Torch Azalea). Zone IV. 8 ft. Red to orange. May.

*6 in. X 10 ppd..... \$7.50, 100 \$50.00

*10-12 in. XX 10 \$15.00, 25 \$30.00

Kaempferi Hybrids. Semi-evergreen. 8 ft. Flowers larger and better color. May. Zone IV.

—**Betty**—Showy pink. Compact.

—**Atlanta**—Light purple.

—**Carmen.**

—**Lakme.**

Any of above 4 kinds:

*3 yr. XX..... 5 for \$6.50, 100 \$85.00
12-15 in. BB \$4.75 each, 10 \$40.00

Photo: *Ledifolia alba*.

AZALEAS



Gayest and brightest of all flowering plants. Grow best in sun or light shade. Given ordinary garden soil, Azaleas will succeed provided acid conditions exist. All kinds listed here are evergreen except those specially noted at top of previous page. Azaleas take the same culture as Rhododendrons. See page 14.

Kurume (Japanese Evergreen). 2 to 4 ft. Acid, humus, various in May. Zone VI.

—**Coral Bells**—Shell pink.

—**Flame**—Coppery red. Dark.

—**hinodigiri.** Brilliant red. Zone VI. Covered with flowers.

—**hinamayo.** Clear pink. Zone VI.

*3-yr. XX 5 ppd. \$4.75, 100 \$70.00
8-12 in. BB \$3.95 each, 10 \$32.50

Ledifolia (*mucronatum*). Evergreen, 6 ft. Bushy. Acid, humus, loose. Late May. Zone V, VI. Handsome, dense.

—**alba.** White against dark green. 12-15 in. BB\$5.00 each

—**rosea.** Rose tinted, large.

—**Lady Lilac.** Fragrant, clear lilac.

—**Rubra**—double red. Tall.

Any of above 4 kinds:

*3 yr. XX5 for \$6.00, 100 \$90.00

Macrantha (*Indicum*). Evergreen. 3 ft. Dense. Acid, loose. Salmon-red in June. Zone V.

—**flor plena.** Double red. Long in bloom. A grand plant.

—**J. T. Lovett.** Larger salmon-red.

*4 yr. XX5 ppd. \$8.50, 25 \$30.00
12-15 in. BB\$5.00 each, 10 \$40.00

Vuykiana Hybrids. 6 ft. Zone V. May. Big blooms, like evergreen "Ghent Hybrids."

—**J. S. Bach**—Rosy purpls.

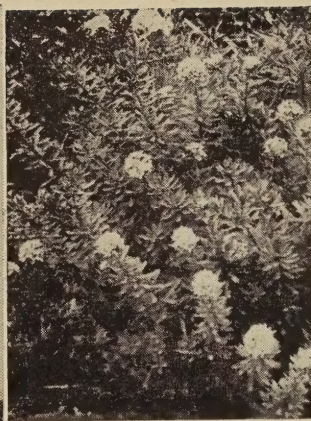
—**Johan Strauss**—Rose, blotched.

—**Palestrina**—Fine tall white.

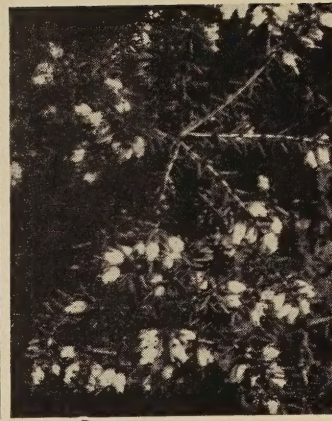
*4 yr. XX2 ppd. \$3.50, 10 \$15.00
15-18 in. BB\$7.50 each, 5 \$35.00

* = young, unformed. X = transplanted. B&B = ball of earth, shapely. Plants not marked: well shaped.

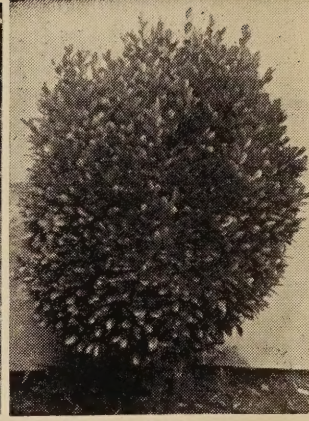




Daphne cneorum



Erica carnea



Buxus suffruticosa

(Left): Berberis juliana

BERBERIS *Juliana* (Wintergreen Barberry). 7 ft. Zone V. Evergreen. Sun or shade. Flowers small, fruit black. Hardest of thoroughly evergreen Barberries. Good stout bush. Thorny.

*2¼ in. pots5 \$5.50, 100 \$80.00
*10 in. XX10 \$20.00, 100 \$150.00
12-15 in. BB \$5.75 each, 10 \$50.00
15-18 in. BB \$7.00 each, 10 \$65.00

verruculosa. 5 ft. Zone V. Dense, spreading. Besides good evergreen leaves, has large showy gold blooms in May.

18-24 in. BB \$7.50 each, 10 \$65.00

Candidula. 3 ft. Zone V. Very rich green leaf. Best dwarf.

*2 in. pot5 \$10.00, 100 \$150.00
8-10 in. BB\$4.75 each, 5 \$20.00

tricanthophora. 5 ft. Zone V. Narrow, long leaves. Different.

*2¼ in. pot5 \$5.00, 100 \$50.00
12-15 in. BB \$4.50 each, 10 \$35.00

Camellias for the North

CAMELLIA *sassanqua* (Hardy Camellia). This gorgeous fall-bloomer (Oct.-Nov.) is proving hardy in parts of Zone VI. Humus, fertilize, extra watering, semi-shade. Worth trying. Dark shiny evergreen leaf.

—**Cleopatra**—3 in. double rose.

—**Dawn**—Hardest. Semi-double white, flushed pink. Slow.

—**Daydream**—Vigorous pink.

—**Maidens Blush**—Single. Early pink.

—**Reticulata**—Reddish pink.

—**White Butterfly**—Single white.

BUXUS *microphylla* **Koreana** (Korean Box). 2½ ft. Zone IV. Very compact and dense. Any soil. Prefers sun. Neat edge for a garden. Winter leaves good green. (Arnold Arboretum type).

*2¼ in. pots 10 ppd. \$9.50, 100 \$70
6-8 in. BB\$3.00 each, 10 \$22.50

—**japonica** (Japan Box). 8 ft. Zone V. Hardy, upright bushy shrub. Hardest in shade.

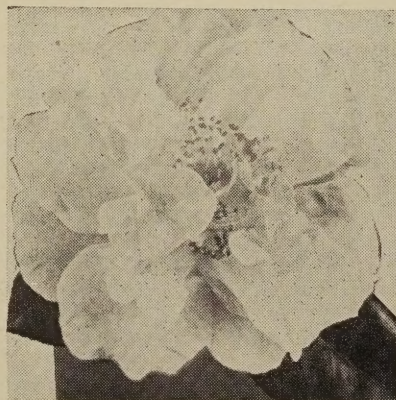
*6-8 in. X 10 \$9.50 ppd., 100 \$70.00
6 ft. BB\$16.00 each, 5 \$75.00

Suffruticosa (Dwarf "English"). 6 ft. Zone V. A billowy dense mass of dark green. This is the box of collectors. Small plants used for real box edging. Any soil. Sun or part shade. Splendid dense, dark effect.

*1 yr. X25 \$6.50, 100 \$22.00
*4-6 in. X 5 ppd. \$4.00, 100 \$55.00
12-14 in. BB\$8.50 each, 5 \$35.00

12-15 inch plants from pots.

Any 5 assorted postpaid\$7.50
5 any one kind postpaid\$6.50
2 ft. BB\$6.50 each, 10 \$58.00



CALLUNA *vulgaris* (Scotch Heather). 2 ft. Zone V. Likes drainage, acid, wind. Evergreen. Rosy-purple, July and August.

2 in. pot10 \$7.50, 100 \$55.00

Also any one variety below:—

—**rubra** (Red Heather)

—**alba erecta**—Taller form, white.

—**alba minor**—Dwarf white.

—**County Wicklow**—Double pink.

—**hammondi**—Robust white.

—**rosea**—Pink, delicate form.

—**alporti**—Carmine.

—**cuprea**—purple bronze.

3 in. pot \$1.75, 10 \$13.50, 100 \$110

CHAMADAPHNE. *Calyculata* (Native Leatherleaf). 3 ft. Zone II. White, April. Damp, acid.

12 in. clump5 \$6.00, 25 \$22.00

COTONEASTER. Sun, drainage. **horizontalis** (Rock Cotoneaster). 3 ft. Zone IV. Flat arching, densely twigged branches. Half-evergreen. Pink flowers, scarlet berries.

4 in. pot\$2.00 each, 5 for \$9.50

*3 in. pot5 \$7.00, 100 \$95.00

—**Perpusilla**, dwarf form.

*2¼ in. pot5 ppd. \$4.50, 25 \$15.00

4 in. pot\$2.00 each, 10 \$17.50

Dammeri. Prostrate, trailing, red berries. Showy. Zone V. Evergreen.

*2¼ in. pot5 ppd. \$4.50, 25 \$15.00

Franchetti. 6 ft., upright. Zone V. Large, half evergreen leaf. Orange berry.

*2 in. pot5 for \$4.00, 100 \$50.00

1½-2 ft. X\$2.00 each, 10 \$15.00

salicifolia (Willowleaf). 8 ft. Zone VI. Evergreen. Red fruit.

*6-12 in. X10 \$7.50, 100 \$40.00

15 in. BB\$7.50 each, 2 \$13.50

BROADLEAF EVERGREENS Continued

CYTISUS scoparius (Common broom). 4 to 8 ft. Zone V. Bushy, upright stems. Yellow, May-June. Drain. Sun. Perhaps the best cover for dry banks. A sight in bloom. Evergreen stems.

*12-18 in. 25 for \$5.00, 100 \$16.00
3 in. pot\$2.25 each, 10 \$20.00
4 in. pot\$3.00 each, 10 \$25.00

—**Burkwood's**, the same but dark red flowers.

2 in. pot2 ppd. \$2.50, 10 \$7.50

—**praecox** (Warminster Broom). 5 ft. Zone V. Amazing shower of pale yellow in May. Outstanding.

3 in. pot\$2.50 each, 5 \$10.50
4 in. pot\$3.00 each, 5 \$12.50

—**Pomona**. 4 ft. Tricolor bloom, scarlet, cream and gold.

3 in. pot\$2.50 each, 5 \$10.50
4 in. pot\$3.00 each, 5 \$12.50

—**Borsch**. 3 ft. Tricolor bloom, red, rose and ivory.

3 in. pot\$2.50 each, 5 \$10.50

—**Kewensis**. Prostrate, yellow.

3 in. pot\$2.50 each, 5 \$10.50

Purgans. Dense, bushy, yellow. 3 ft.

4 in. pot\$3.00 each, 5 \$12.50

supinus (Bigflower Broom). 3 ft. Zone V. Showy yellow in July.

3 in. pot\$2.50 each, 5 \$10.50
4 in. pot\$3.00 each, 5 \$12.50

DAPHNE cneorum (Garland Flowers). 1 ft. Zone IV. Perhaps the finest rock-garden evergreen. Very fragrant rose flowers (large) in May and again in Sept. Needs sun. Spreads.

8-10 in. BB\$3.75 each, 5 \$17.50
12-15 in. BB\$4.50 each, 5 \$20.00

ERICA carnea (Spring Heath). 1 ft. Zone V. A show of rose in the snow, lasts to May. Acid, sandy, humus. A soft mass of tiny leaves.

*2 in. pot5 for \$4.50, 100 \$55.00
4 in. pot\$2.50 each, 5 \$10.00

—**Carmine**. (Red Spring Heath). (Same prices).

—**Springwood** (White Heath).

4 in. pot\$3.00 each, 5 \$18.00

EPIGAEA. (See page 8)

HEDERA. (See page 41)

GAULTHERIA. (See page 8)

EUONYMUS New Shrub forms. Zone V. The following patented Corliss varieties are true shrubs. (See page 40 for vines.)

—**Pride** (Pat. 1073)—4 ft. wide and high.

—**Charm** (Pat. 1079)—4 ft. columnar.

—**Cushion** (Pat. 1112)—1½ ft. Slow, spreads.

12 in.\$2.95 each, 2 \$5.75

—**vegetus**. Large leaves, vigorous bush. A few climbing leaders. Orange fruit.

4 year\$2.75 each, 10 \$25.00
*8-12 in. (pot)25 for \$12.50

Patens. 8 ft. shrub. Zone VI. Practically evergreen. Easily grown.

*8-12 in. (pot) \$5 \$3.50, 100 \$40.00
1-1½ ft.\$2.75 each, 10 \$20.00
1½-2 ft.\$4.50 each, 100 \$37.50



Detail and specimen *Cotoneaster salicifolia*.

Flower and Bush of *Cytisus praecox*. Evergreen Stems resemble a dwarf pine.





← (left): *Ilex Aquifolium* **HOLLY LEAVES** (right): *Opaca* →

1. *Crenata Convexa* 2. *Cornuta* 3. *Cilio-spinosa* 4. *cr. rotundifolia*
5. *glabra* 6. *pedunculosa* 7. *Pernyi veitch*

ILEX—the Hollies

Evergreen species and their varieties only are on this page.
For deciduous Ilex see page 45. Few gardeners know how many good hardy hollies there are.

aquifolia (English Holly). 40 ft. Zone VI. Very shiny, toothed leaves. Very large bright red berries.

—Female (for berries)

*3 in. pot5 \$9.50, 50 \$75.00
4 in. pot \$4.75, 10 \$40.00, 100 \$100
18-24 in. BB\$7.00 each, 5 \$30.00

—Male (for pollination)

*3 in. pot\$3.50 each, 10 \$30.00
5 in. pot\$6.00 each, 10 \$50.00

—Bisex—a useful freak. Berries on one plant, both male and female flowers.

*3 in. pot\$3.50 each, 10 \$30.00

Aquipern, hybrid with aquifolia, shinier, more toothed leaf. More vigorous than pernyi. Zone V.

—Female

3 in. pot \$2.50, 10 \$18.00, 100 150

Cornuta Bufordi. 6 ft. Zone VI. Few sharp spines. Good leaf. Red berries.

3 in. pot5 \$6.50, 100 \$95.00
15-18 in. BB\$5.50 each, 10 \$50.00
18-24 in. BB\$7.00 each

—Males (for more berrying)

*3 in. pot5 \$6.50, 100 \$95.00

Cilio-spinosa. 12 ft. Zone VI. Toothed leaves. A spreading bush. Red berries.

—Female (also Male)

*3 in. pots\$2.75 each, 10 \$22.00

Glabra (Ink-berry). 6 ft. Zone III. Evergreen, loose bush. Tolerant even in cities. The leaf is dull, the plant only good for background or massing. When sheared becomes dense, neat, bushy.

*12-15 in. pot5 \$4.00, 100 \$60.00
3 ft. BB\$7.50 each, 5 \$35.00

Crenata (Japanese Holly). Zone VI. 18 ft. Evergreen leaf and thickset shape. Tolerant. Slow-growing.

10 in. XX5 \$7.00, 25 \$30.00
2 ft. BB\$7.00 each, 10 \$60.00

—convexa (dwarf Japan Holly). Form with shiny gray-green leaves. Not over 4 feet height. Zone V.

*6-8 in. X10 \$6.50, 100 \$40.00
12-15 in. BB \$4.50 each, 10 \$40.00

—Helleri. Very compact, maybe 2 ft., very dense foliage. The best dwarf. Zone V.

*2 in. pot 5 \$4.00 ppd., 100 \$40.00
4 in. pot\$3.00 each, 10 \$22.50

—rotundifolia. Larger leaf, more vigorous, upright growth. This makes a fine hedge quickly.

*8-10 in. X5 \$4.50, 100 \$60.00
12-18 in. BB\$4.50 each, 5 \$17.50

ILEX OPACA (American Holly). Tree to 40 feet, hardy to Zone IV. Shiny red berries, dull green leaf. Humus, slightly acid. We offer four sizes sex unknown, (about half male, half female) from seed. Our native is a fine, handsome evergreen—well worth planting for its leaves and red berries.

*6-12 in. pot10 \$8.00, 100 \$60.00
*12-15 in. X10 \$12.00, 25 \$25.00
2 ft. BB\$7.00 each, 10 \$60.00

—Males (for pollen) (10) (100)

3 in. pot\$12.00 \$85.00
4 in. pot\$3.00 each 25.00
8 in. BB\$4.50 each

—Females (for berries)

3 in. pot (6-10 in.) 12.00 85.00
4 in. pot \$3.00 each 25.00

Offer A—2 males, 4 females in 3 inch pot size (6 to 10 inch)
\$7.50 postpaid

Offer B—1 male, 2 females, in 4 inch pot size (12 to 18 inch).
\$9.50 postpaid

—Howard. Zone V. Dark green leaf. Shiny, few teeth. Large clusters red berries.

*3 in. pot5 \$6.50, 100 \$95.00

—Delia Bradley. Zone IV. One of dozens new named kinds, fruits young and steadily. Good leaves. Outstanding.

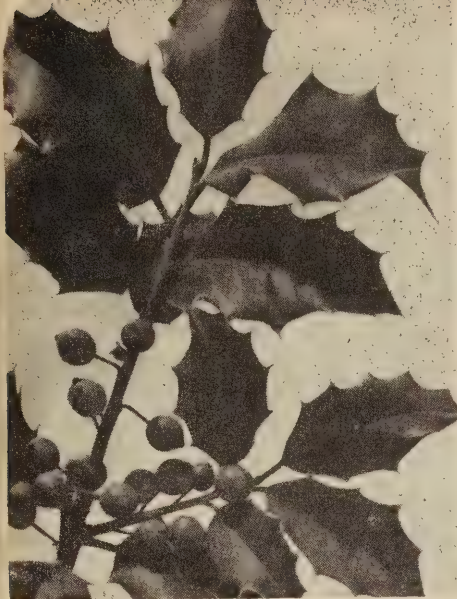
*3 in. pot \$2.25, 10 \$15.00, 100 \$135
8-10 in. BB\$4.50 each, 5 \$20.00

—Old Heavyberry. Big rich green leaf, very showy berries. Perhaps the best female.

*3 in. pot\$2.00, 5 \$9.00
18-24 in. BB\$5.75 each

* = young, unformed. X = transplanted. B&B = ball of earth, shapely. Plants not marked: well shaped.

BROADLEAF EVERGREENS Continued



Opaca Hybrids

Zone VI. similar to Opaca. A male opaca will serve for pollination.

—**Lake City.** Berries orange-red. A much more vigorous tree.

*3 in. pot \$1.75, 10 \$12.50, 100 \$95

—**Hume No. 2.** Red berries. A good leaf, and growth.

*3 in. pot \$1.75, 10 \$12.50, 100 \$95

2 ft. BB \$6.00 each, 10 \$50.00

pernyi. 10 compact shrub. Zone VI. Small leaves, red berries.

*3 in. pot \$2.00 each, 5 \$7.50

—**Veitch,** larger leaf.

3 in. pot \$2.50 each, 10 \$18.00

pedunculosa. 25 ft. Zone V. Large untoothed leaves, red berries. Unusual.

—**Female (or also Males)**

3 in. pot \$2.50, 10 \$20.00, 100 \$150

2 ft. BB \$7.50 each, 10 \$65.00

LAUROCERASUS schipkaensis (Hardy English Laurel). 6 ft. Zone V. A gorgeous evergreen shrub, with dark green leaves. White flower spikes in May. Very easily grown. Very fast growing.

*3 in. pot \$5.00, 100 \$80.00

12 in. (pot) \$3.50 each, 10 \$25.00

18-24 in. BB \$5.75 each, 10 \$50.00

—**Zabeliana.** Similar, but narrower leaves. Zone V.

*2¼ in. pots \$10 \$8.50, 100 \$65.00

18-24 in. BB \$7.00 each, 10 \$65.00

LEIOPHYLLUM buxifolium (Sand Myrtle). 1 ft. Zone V. White, in June. Neat, compact evergreen bush. Acid, humus. Native, collected bushy clumps.

9-12 in. BB \$5 \$8.50, 25 \$30.00

MAHONIA equifolium (Oregon Holly-grape). 5 ft. Zone V. Yellow. May; purplish "grape," Aug. Dry, part shade.

6-10 in. X \$10 \$9.00, 100 \$55.00

12 in. XX \$2 for \$5.00 ppd.

12 in. BB \$4.50 each, 5 \$20.00

15 in. BB \$5.50 each, 5 \$25.00

OSMANTHUS aquifolium (Holly-leaved Myrtle). Zone VI. 6 ft. Evergreen shrub. Tolerant, useful foliage plant.

*2 in. pots \$10 \$6.50, 100 \$45.00

18 in. BB \$6.00 each, 10 \$50.00

PACHISTIMA canbyi. Evergreen clump, 9-inch. Zone V. Wonderful rock plant. Moist.

3 in. pots \$1.75, 10 \$13.50, 100 \$120

*2 in. pot \$10 ppd. \$6.50, 100 \$40

8-10 in. BB \$3.00 each, 10 \$25

PIERIS floribunda (Mountain Fetterbush). 3 ft. Zone IV. Evergreen, mound. Upright clusters white in May. Acid, humus, half shade.

*4-6 in. X \$10 \$8.50, 100 \$60.00

12-15 in. BB \$6.50 each, 5 \$30.00

2-2½ ft. BB \$12.50 each

PIERIS Japonica (Japonica Andromeda). 6 ft. Zone V. Evergreen, upright shrub, with drooping wax-like bells. May. New growth is rosy-wine.

*6-8 in. X \$5 \$4.50, 100 \$55.00

*8-10 in. X \$5 \$5.00, 25 \$15.00

12-15 in. BB \$4.50 each, 10 \$30.00

PYRACANTHA lalandi (Laland Firethorn). Evergreen shrub to 15 ft. Zone V. A fuzz of white in May, then orange-red berries. Drain, lime.

*3 in. pot \$10 \$9.50, 100 \$80.00

18 in. (pot) \$4.50 each, 10 \$35.00

—**Lowboy.** Smaller in all parts. To 8 feet.

*3 in. pots \$10 \$12.00, 100 \$85.00

18 in. (pot) \$4.50 each, 10 \$35.00

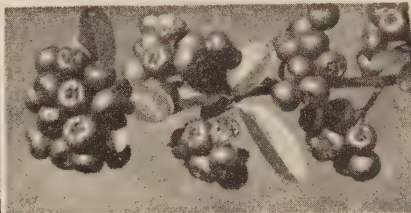
crenato-serrata (yunnanense) — Spreading bush to 10 ft. Zone VI. Coral-red berries to early winter. Handsome leaves.

*2¼ in. pot \$10 \$9.00, 100 \$65.00

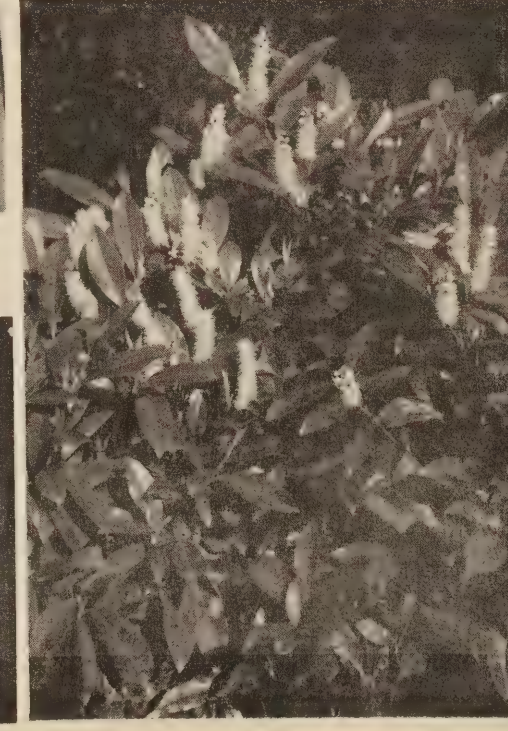
2 ft. BB \$7.50 each, 10 \$65.00

Atalantioides "Government Red." 18 ft. Zone V. Bright, large, red berries all winter.

18 in. (pot) \$4.50 each, 10 \$35.00



(left): *Pieris japonica*
(above): *Pyracantha Lalandi*
(below): *Pieris floribunda*
(right): *Laurocerasus Schipka*



RHODODENDRONS. Evergreen shrubs with fine foliage. Range from dwarfs to giants. Bloom from May to July.

RHODODENDRON Carolina. 8 to 10 ft. Showy pink bloom in May. Zone V. Page 62.

Catawbiense. 8 ft. Compact, rosy purple, June. Zone IV. Page 62.

chapmani. 8 ft. Zone V. Clear pink in May. Rare.
12-15 BB.\$6.50, 5 \$20.00

fortunei. 12 ft. Zone VI. Large blush, fragrant, May.

6-8 in. X2 for \$3.80 ppd.
10 in. BB\$4.50 each

Maximum. 12 ft. Blush-white, July. Rapid and bushy with large showy leaves. Suitable for mass effects. Zone III. Shade. See Page 62.

Wilsoni. 4 ft. dwarf. Zone V. Pink in May. Hardy and neat.
8-10 in. BB\$5.50 each

SARCOCOCCA hookeriana humilis. Spreading evergreen shrublet in shade. 2 ft. Zone V. Fine ground cover.

*2¼ in pot5 for \$5.50, 50 \$30.00
4 in. pot2 ppd. 5.00, 10 \$17.50

SKIMMIA japonica. 4 ft. Zone VI. Whitish in April. Neat growing dwarf, red winter fruit.

12 in. pot2 ppd. \$5.00, 10 \$17.50

STRANSVAESIA davidiana. Shrub to 20 feet. Zone VI. Large shiny green leaves. Scarlet fruit.
2 to 3 ft.\$3.00 each, 5 for \$12.50

VIBURNUM Rhytidophilum (Leatherleaf). 9 ft. Zone V. Wrinkled evergreen leaves, bright green, shiny. Bold. Red berries. Drain, shelter. Unique leaves.

12 in. (pot)\$3.50 each, 10 \$30.00

Rhododendron culture

1. Culture: acid, damp loose soil.
2. The roots feed at the surface — do not hoe or rake. Plant them properly and thereafter water and mulch as needed.
3. Light shade, airy and open, gives best results. Only certain trees will do. The best are Oaks, Cherries, Magnolias and Birch. Their leaves make the best mulch. Avoid Beech and Maple.

Young Rhododendron on own Roots

Slower start, but more vigor in after life than grafted plants. Hardier, denser, bushier, healthier —hence longer lived. Plants thoroughly hardened, one year transplants. You will note some very rare kinds. Unitsof 10 plants for \$22.00 (any variety in list below) are offered packed f.o.b. New Jersey. Mixed varieties as you wish. Plants are 5 to 10 inch stems, sturdy. Grown specially for us by Mr. Warren Baldsiefen.

America—Neat growth, good red. Needs little pruning to shape.

Boule de Niede—Dwarf, large dark leaf, large white blooms.

Catawbiense Grandiflorum—Fine rosy lilac. Zone V.

Caractacus—Lilac-red. Zone V.

Ignatius Sargent—Rose. Zone V.

Parsons Gloriosum—Pink.

Purpureum Grandiflorum — Zone V. Purple, fine show.

Roseum Elegans — bushy rose-pink. Zone IV.

Catawbiense Album — Compact growth. Fine pure white. Zone V.

Kettledrum—Dark red. Zone V.

Below: Skimmia japonica

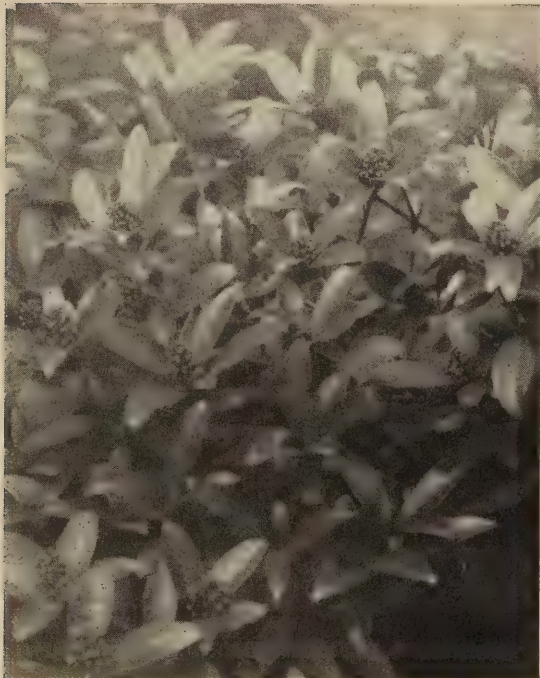


Photo: 1 yr. own-root Rhododendron





HYBRID RHODODENDRON SEEDLINGS

These in every way resemble named hybrids except:—the color of flowers is unpredictable, but usually good, and free flowering. They are fairly free to bloom, hardy mostly in Zone V.
 *4 to 6 in. XX 10 \$9.50 ppd., 100 \$75.00
 8 to 10 in. XX 5 \$9.00 ppd., 100 \$135.00
 10-12 in. XX2 ppd. \$6.00, 10 \$20.00
 (See also page 6)

RARER HARDY HYBRIDS

Four newer fine kinds only available in 4 inch pots only at \$6.00 each.

Augfast—A good blue.

Blue Diamond—A new blue.

Beaufort—Improved Boule de Nieve. Not so dwarf. Fragrant. Zone V.

Caroline Gable—Shapely, vigorous. Zone V. Orchid, fragrant blooms.

NAMED HYBRIDS IN QUANTITY

Hybrids in quantity, where color is not important, can be planted less expensively by using the seedling plants offered on this page. However, **named hybrids**, from outdoor beds, furnished with a small peat ball ready for immediate planting can be had without too great cost:

Our selection, all good named kinds, from 7 to 12 inch, depending on habits of growth, now two years from grafting: (We promise 50% reds in selecting) \$27.50 for 10, 25 or more \$2.50 each (\$250 00 per 100.)

Hybrid Rhododendrons

GRAFTED NAMED VARIETIES

The following are from open field, dug with ball of earth. They have been pinched to make low, shapely branching. All hardy Zone VI, some extra hardy ones as noted in Zone V.

(Sizes)

(Named grafted varieties)

- C **Alice**—pink, fading to rose.
- B **Bagshot Ruby**—bright ruby red.
- C **Betty Worman**—wonderful blush pink.
- AC **Caractacus**—compact, purple-red. Zone V.
- B **Catawba Boursalt**—lusty dark pink.
- CD **Cynthia**—lusty rosy crimson. Zone V.
- AB **Dr. Rutgers**—fiery red, compact. Zone V.
- ACD **Ignatius Sargent**—rose-red, vigorous. Zone V.
- CD **John Walter**—bright crimson. Zone V.
- CD **Lady C. Mitford**—peach pink, spotted. Zone V.
- D **Michael Waterer**—bright scarlet. Zone V.
- C **Parsons Gloriosum**—rosy-pink. Zone V.
- BC **Pink Pearl**—large rose-pink. Showy.
- C **Rosa Mundi**—vigorous pale pink. Zone V.
- ABC **Roseum Elegans**—lilac rose, compact. Zone V.
- BD **The Bride**—white, green spots.
- C **Mrs. C. S. Sargent**—rosy red. Zone V.
- A **E. S. Rand**—dwarf, compact red.
- A **Mrs. P. Den Ouden**—fine crimson.

Sizes and Prices of each above kind:	(Each)	(10)
A—2 yr. BB (6-10 in.)	\$5.50	\$50.00
B—8 to 12 in. BB	6.50	60.00
C—10 to 15 in. BB	7.50	70.00
D—15 to 18 in. BB	8.50	80.00



Pinus

Taxus

Tsuga

Abies

Picea

Cedrus

AN EVERGREEN has leaves all winter, ready to do their work if the day chances to be warm enough. For this reason **extra water** must be given all newly-planted evergreens. Twice a week for a month. Evergreen roots contain resinous sap which hardens after exposure to the air for no longer than two or three minutes.

SPACING EVERGREENS. Evergreens are so very long-lived that what is correct in youth is crowded after 25 years. Generally speaking, plants from 12 to 36 inches should be spaced 3 feet apart and rearranged at the end of 5 to 10 years.

DELIVERY COSTS. Prices include packing only on small, bare-root sizes. On sizes marked "B&B", boxing is usually about 10% of the price additional. Express on small sizes is low (10 to 15%)—but on plants B&B it is about 30 to 40%.

EVERGREENS GROW FAST —

Large evergreens frequently are stunted by the shock of transplanting. One customer writes: "My neighbor paid \$30 apiece for 12-foot specimen Red Pine; I bought 18-inch XX (no earth ball) the same year. Today (12 years later) my trees are larger than his!" Here are some average rates of growth (inches per year).*

Abies concolor	9	Pinus cembra	6
—douglasi	15	—mughus	7
Juniper Pfitzer	15	—nigra	11
—Sargent	10	—sylvestris	15
—virginiana	11	Taxus cuspidata	11
Picea glauca	12	—Hicksi	12
—conica	2	—Kelsey	8
—excelsa	13	Thuja occidentalis	11
—pungens	11	Tsuga canadensis	12

* Small transplants grow at ½ this rate the first two years.

This is ample time to plant and firm a small evergreen, but it should be left in its moist packing until the moment of planting and watered soon after planting. For the two above reasons, larger evergreens are shipped with a ball of earth wrapped in burlap ("B&B"). This is not necessary in smaller sizes.

ABIES balsamea (Balsam Fir). 60 ft. Zone III. Dark, shapely pyramid. Needs cool moist soil. Prefers cold winters. Best Christmas tree.

*4-6 in. S100 \$9.00
*6-9 in. X25 \$6.00, 100 \$20.00
2-2½ ft. BB \$7.50 each, 10 \$60.00

concolor (White Fir). 50 ft. Zone IV. Dense pyramid silver green. Drainage. Tolerant in cities. Softest of dull silver—almost white.

*4-6 in. X25 \$12.00, 100 \$30.00
*9-12 in. XX 10 \$12.00, 100 \$95.00

douglasi (*pseudotsuga taxifolia*) (Douglas Fir). 70 ft. Zone IV. Evergreen tree. Shapely, handsome pyramid. Prefers rich soil, but tolerant.

*4-8 in. X25 \$5.00, 100 \$18.00
*8-12 in. XX 25 \$18.00, 100 \$65.00
2-2½ ft. BB \$7.50 each, 10 \$60.00

Fraseri (Southern Balsam). 80 ft. Zone IV. Better for Zone V South.

*6-12 in. S25 \$5.50, 100 \$18.00
12 in. BB (collected)10 \$12.00

CEDRUS deodara (Deodar Cedar). 100 ft. Zone VI. Graceful pyramid. Unusual foliage.

*4-6 in. X10 \$6.50, 100 \$45.00
2-2½ ft. BB \$7.00 each, 10 \$50.00

Atlantica (Mt. Atlas Cedar). 90 ft. Zone VI. Blue-green stately pyramid. Scarce.

18-24 in. BB\$10.00 each

—**glauca**. Silver blue form.

*8-12 in. X2 ppd. \$4.00, 5 \$9.50

Libani (Cedar of Lebanon). 90 ft. Zone V. Picturesque and stately. Rare.

18-24 in. BB10.00 each

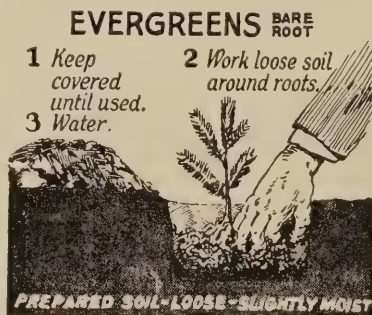
CEPHALOTAXUS drupacea (Plum-Yew). Rugged green, bushy tree to 25 ft. suggests spreading Yew. Zone VI. Edible fruit.

*6-8 in. X10 \$9.50 ppd., 100 \$75
*12-15 in. X2 ppd. \$4.50, 10 \$12

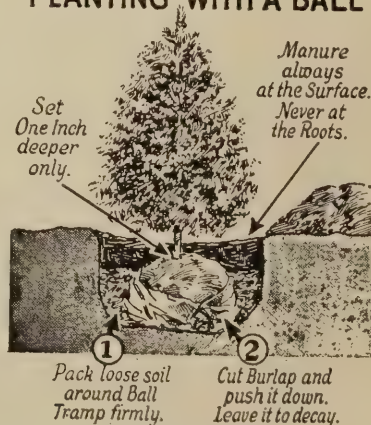
—**fastigiata** (Columnar Plum-Yew). Upright, interesting, different. Zone VI.

*4-6 in. X5 \$7.00, 100 \$60.00
12-15 in. BB \$7.00 each, 10 \$60.00

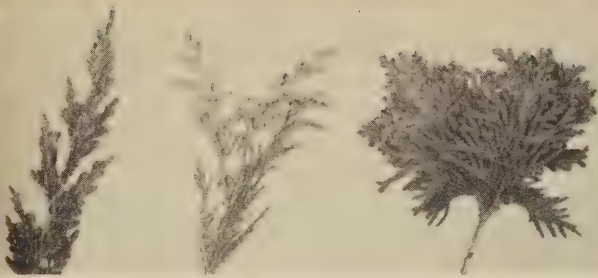
PLANTING WITH A BALL



NOTE: Water is needed more by evergreens than by other plants. Keep moist before and after planting.



3 Then water and fill in remaining soil.



Juniper

Chamaecyparis

Thuja

Evergreens

CHAMAECYPARIS "Retinospora" (Japan Cypress). Evergreen trees of easy culture.

filifera (Thread Cypress). 9 ft. ft. Zone III. Dark green, weeping pyramid.

*6-8 in. X10 \$6.00, 100 \$50.00
2-2½ ft. BB\$8.50 each, 10 \$70.00

obtusata gracilis (Hinocki Cypress). 10 ft. Zone III. Acid, humus, moist. Ornamental, slow. Slender. Dark green column.

15-18 in. BB\$7.50 each

—**nana** (Dwarf Hinocki). A 5 ft. dwarf that looks ancient when it is born. Excellent in rock gardens.

*2¼ in. pot \$1.50 each, 10 \$12.00
12-15 in. BB\$7.50 each

pisifera (Sawara Cypress). 35 ft. Any good soil. Loose growth. Makes a quick pyramid tree and stands harsh exposures. Zone III.

*10 in. X25 \$20.00, 100 \$60.00
2 ft. BB\$6.50 each, 10 \$60.00

plumosa (Plumed Cypress). 35 ft. Feathery pyramid. Good hedge plant. A good accent tree. Often used in foundation plantings, but not suitable really. Zone III.

*6-8 in. X10 \$8.50 ppd., 10 \$50.00
18-24 in. BB \$5.50 each, 10 \$50.00

—**aurea** (Gold-Plume). 25 ft. Good yellow color at tips. An interesting tree.

*15-18 in. X10 \$9.50, 100 \$85.00
1½ ft. BB\$6.00 each, 10 \$45.00

squarrosa veitchii (Silver Moss Cypress). Unusual. 20 ft. Dense, woolly silver foliage unlike any other evergreen. Apt to winter damage north of Zone VI.

*6-8 in. X 10 ppd. \$8.00, 100 \$50.00
18-24 in. BB \$5.50 each, 10 \$40.00

CRYPTOMERIA japonica. 80 ft. Zone V. Pyramid with unusual evergreen foliage.

2 ft. BB—\$6.50 3 ft. BB—\$9.00

CUNNINGHAM lanceolata. 80 ft. Zone VI. Handsome pyramid.

*2¼ in pot 2 ppd. \$3.50, 10 \$9.00

Photo: CHAMAECYPARIS varieties. 5. filifera. 3. Plumosa. 4. Squarrosa veitchii. 8. Plumosa hedge. 12. obtusata nana. 9. CEDRUS decodora.

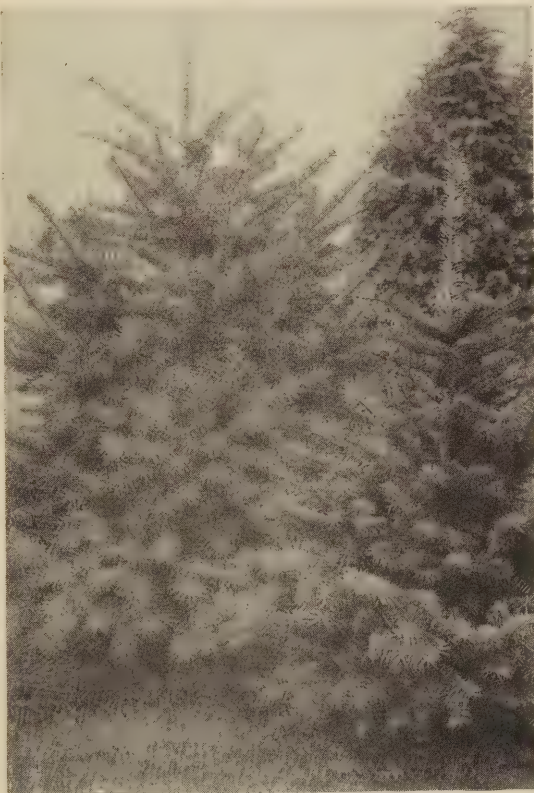


Photo Above: (right) Balsam (rear) Concolor (left) Douglas Fir



JUNIPERUS. The Junipers are a race of evergreens that succeeds even in well-drained soil in full sun.

chinensis pfitzeriana (Pfitzer Juniper). 6 ft. Zone IV. Gorgeous bush, a cloud of silver in spring, then bright green. Spreads picturesquely. Stand soot, smoke, and drought in city plantings. Easily grown.

*4-6 in. X10 \$5.50, 100 \$40.00
 *2¼ in. pot10 \$7.50, 100 \$60.00
 *12-15 in. XX 10 \$18.00, 100 \$125
 18-24 in. BB \$8.50 each, 10 \$65.00

Pfitzer aurea (Golden Pfitzer) form with bright yellow tips.

*4-6 in. X10 \$6.50, 100 \$50.00
 18 in. BB\$6.75 each, 10 \$60.00

Pfitzer compacta (Dwarf Pfitzer). 4 ft. Smaller in all its parts.

*4-6 in. X10 \$5.50, 100 \$45.00
 *6-8 in. X10 \$7.00, 100 \$55.00
 1½-2 ft. BB\$6.75 each, 10 \$47.50

pfitzer hetzi. Vigorous variety with blue-silver color. Fine. New. Better growing habit than Pfitzer itself.

*4-6 in. X10 \$6.00, 100 \$45.00
 *12-18 in. X10 \$9.50, 100 \$80.00
 1½ ft. BB\$6.50 each, 10 \$60.00

sargentii (Sargent). 3 ft. Zone IV. Flat, spreading. Color grass green, a neat plant.

*2¼ in. pot5 \$8.50, 50-\$62.50
 1½-2 ft. BB\$13.50 each

communis hibernica (Irish Juniper). 15 ft. Zone III. Green column. Popular. This makes a fair substitute for the thin spires of true Cypress.

*12-15 in. X10 \$9.00, 100 \$75.00
 2 ft. BB\$5.00 each, 10 \$40.00

excelsa stricta (Greek Juniper). 6 ft. Zone V. Blue, stiff, fat pyramids. A fine dwarf, very neat, but rather formal.

*4-6 in. X10 \$6.00, 100 \$45.00
 *10-12 in. XX 10 \$16.00, 100 \$125
 18-24 in. BB \$6.50 each, 10 \$50.00

horizontalis (Creeping Savin). 2 ft. Zone II. Flat spreading, covers large areas.

12-15 in. X10 \$9.50, 100 \$85.00

—**Bar Harbor.** Famous but scarce. Very dense and neat.

*2¼ in. pots10 \$7.50, 100 \$50.00

—**plumosa** (Andorra Juniper). A dense, low mat, with soft crested plumes that turn purple in winter.

*6 in. X10 \$7.00, 100 \$55.00
 *12-15 in. XX 10 \$16.00, 100 \$110
 18-24 in. BB \$7.00 each, 10-\$60.00

—**Douglasi** (Waukegan Juniper). Dense low mat of steel blue foliage.

*1 yr. pot25 \$15.00, 100 \$55.00
 12-15 in. BB\$4.75 each, 10 \$45.00

Sabina. 5 ft. Zone IV. Good vase-shaped bush. Grows in any soil. Very useful evergreen.

*6-8 in. X10 \$7.50, 100 \$60.00
 *12-15 in. XX 10 \$18.00, 100-\$135
 15-18 in. BB \$5.00 each, 10 \$45.00

Squamata Meyeri (Meyer Juniper). 5 ft. Zone IV. Upright in a natural way, not stiff. New growth purple, old growth green.

*6-8 in. X25 \$20.00, 100 \$65.00
 18-24 in. BB \$6.50 each, 10 \$60.00

Virginiana (Native Red Cedar). 30 ft. Zone II. Prefers a loose soil. Usually a dark green pyramid. This is best used in masses. Easily grown. Should be sheared.

*6-8 in. X25 \$7.50, 100 \$25.00
 *12-18 in. XX 25 \$45.00, 100 \$175
 2-2½ ft. BB\$6.00 each, 5 \$25.00

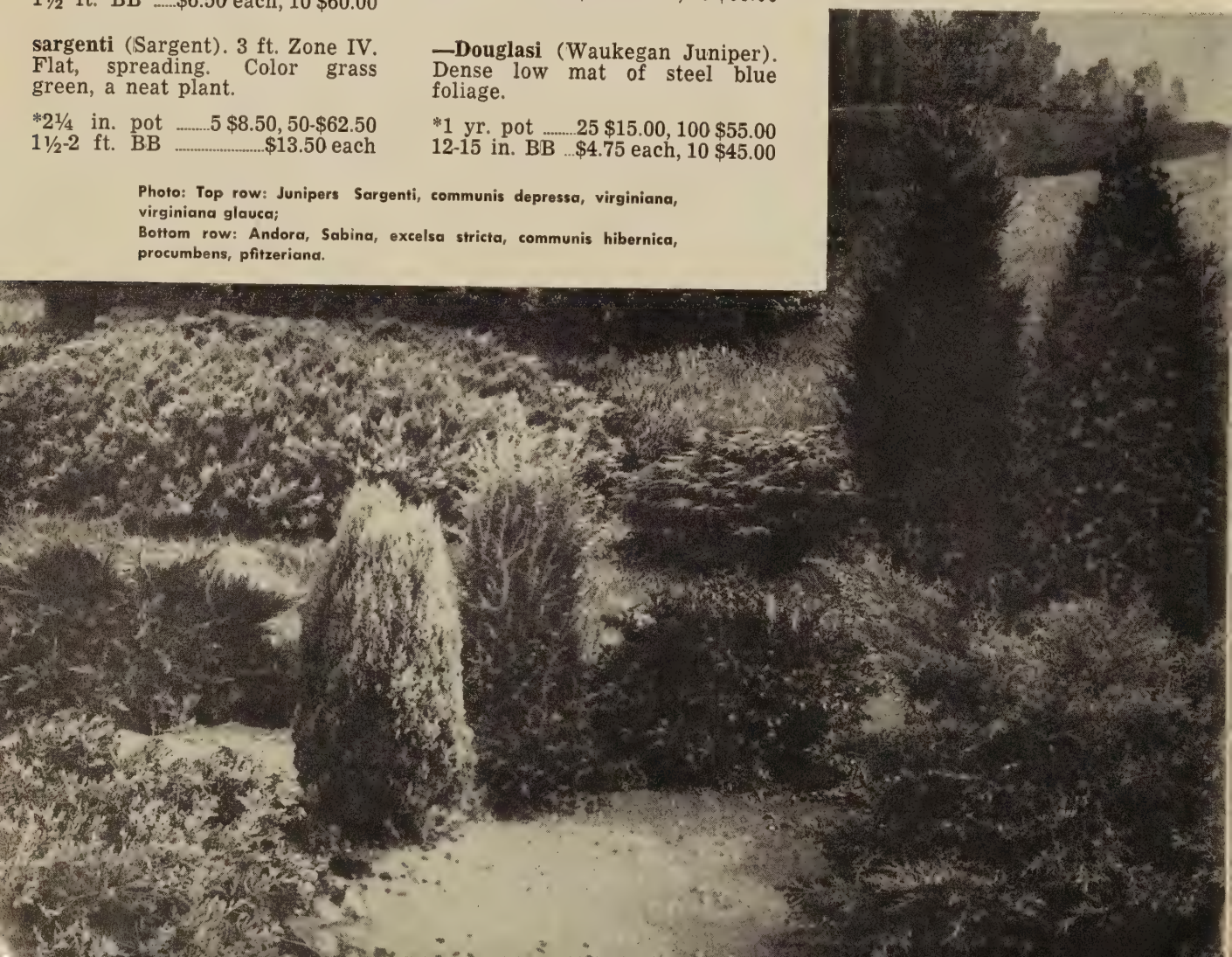
—**cannarti.** 20 ft. Very shapely form of Red Cedar. Dense green.

*1 yr. Graft 25 \$45.00, 100 \$175.00
 2½-3 ft. BB\$9.50 each, 10 \$85.00

—**Glaucia** (Silver Cedar). 30 ft. Silver-gray foliage.

*1 yr. Graft 25 \$45.00, 100 \$175.00
 2½ ft. BB\$9.50 each, 10 \$85.00

Photo: Top row: Junipers *Sargentii*, *communis depressa*, *virginiana*, *virginiana glauca*;
 Bottom row: *Andora*, *Sabina*, *excelsa stricta*, *communis hibernica*, *procumbens*, *pfitzeriana*.





Picea Alba (White Spruce)



Picea pungens



Pinus resinosa (Red Pine)

PICEA (Spruces). Generally these evergreens are easily grown in normal garden soil.

abies — "excelsa" (Norway Spruce). 80 ft. Zone II. A dark green, drooping pyramid. Shallow roots enable planting on thin soils. Enormously popular for quick growth.

*6-9 in. X25 \$5.00, 100 \$18.00
*12 in. XX10 \$12.00, 100 \$90.00
2-2½ ft. BB\$5.50 each, 10 \$48.00

—**nidiformis** (Birdsnest Spruce). 5 ft. Useful, spreading dwarf.
*2 in. pots10 \$12.00, 100 \$90.00
10-12 in. BB\$4.50 each, 5 \$20.00

glauca (alba) (White Spruce). 80 ft. Zone II. Quick-growing and shapely. In the northeast generally more satisfactory than Norway for forest planting.
*6-9 in. X25 \$6.00, 100 \$20.00
12-15 in. XX 25 \$18.00, 100 \$65.00
18-24 in. XX \$3.50 each, 10 \$30.00

—**g. densata** (Black Hills). 20 ft. Zone III. Better suited to dry climates than White Spruce. A majestic bushy pyramid.
*6-9 in. X25 \$6.00, 100 \$20.00
*12 in. XX25 \$25.00, 100 \$85.00
2 ft. BB\$6.00 each, 10 \$50.00

—**g. conica** (Dwarf Alberta). Miniature in height and leaf. 6 ft. Zone III. Tiny and slow. Probably the best true dwarf conifer.
10-12 in. BB\$5.50 each, 5 \$25.00
18-24 in. BB\$12.50 each

pungens (Colorado Spruce). 80 ft. Zone II. Best spruce for dry climates. Very tolerant. Varies from green to silver, as offered here.

*4-6 in. X25 \$6.00, 100 \$20.00
*9-12 in. XX 25 \$40.00, 100 \$150.00
3 ft. BB\$15.00 each

Pines vary in size and shape but are alike in one thing — all thrive in windy exposed locations.

montana mughus (Mugho). Zone II. 3 ft. Broad, low, bushy.

*2-5 in. X25 \$6.00, 100 \$20.00
12-15 in. BB \$6.00 each, 10 \$50.00

nigra (Austrian Pine). 70 ft. Zone IV. Compact for a large tree. Neat. Likes lime. Seashore but not on the water.

*4-6 in. X25 \$4.50, 100 \$15.00
2-3 ft. BB\$8.50 each, 10 \$75.00

resinosa (Red or Norway Pine). 80 ft. Zone II. A fine native with long dark needles and spreading habit. Very easily grown. Few insect pests. Most popular.

*7-12 in. X25 \$9.50, 100 \$25.00
3-4 ft. BB\$8.00 each, 10 \$75.00

—**p. moerheim** (Moerheim Blue). Grafted Blue Spruce. Bluest of all known spruces. Only small plants this year.

2 yr. graft\$4.00 each, 10 \$35.00
3 yr. graft\$5.00 each, 10 \$45.00

—**p. koster**. Same price. Fine blue.

Pinus (the Pines)

strobus (White Pine). 90 ft. Zone III. The noblest native evergreen. prefers rich soil. Light green needles, soft and dense.

*8-12 in. X25 \$6.50, 100 \$20.00
12-18 in. BB (bushy, collected)10 \$12.00, 100 \$98.50
2-3 ft. BB\$5.50 each, 10 \$50.00

sylvestris (Scots Pine). 90 ft. Zone II. Large, stately tree. Useful for sandy, barren soils, but grows tall in gardens. Prefers acid. Popular in small sizes for forest plantings.

*6-9 in. X25 \$4.50, 100 \$13.50
*12-15 in. XX 25 \$20.00, 100 \$75.00
2-3 ft. BB\$6.50 each, 10 \$55.00

thunbergi. 60 ft. Zone IV. Picturesque, branching, as seen in Japanese prints. Stands salt spray.

*8-12 in. S25 \$5.00, 100 \$15.00
10-15 in. XX 10 \$22.00, 100 \$175.00
15-18 in. BB \$5.50 each, 10 \$45.00

Taxus -- The Yews

(Each) (10) (100)

baccata adpressa (English Dwarf Yew). 5 ft. Zone VI. Nice upright dwarf.

8-10 in. X	\$ 9.00	\$ 75.00
12-15 in. pot	\$2.00 15.00	12.50

—fastigiata (Irish). 20 ft. Zone VI. A full column with great character and ruggedness.

15-18 in. BB	7.00 65.00	600.00
18 in. BB	8.50 80.00	750.00

—repandens (Creeping). 3 ft. Zone V. Very slow and hugging the ground. Dense nature. Rock-garden.

*4-6 in. X	4.50	35.00
1½ ft. BB	16.50 150.00	

canadensis stricta (Canada Yew). 2 ft. Zone II. Upright dwarf for the North.

*8-10 in. X 5 for \$6.50, 100 \$95.00

Hunnewelliana (Hybrid American Yew). Canadensis crossed by cuspidata. 6 ft. Zone II. A pyramid of dark green, neat and hardy. Colors in winter.

*1 yr. pot	25 \$13.50, 100 \$45.00
15 in. BB	\$8.50 each, 5 \$40.00

The above two yews are extra hardy—useful in very cold areas.

TAXUS CUSPIDATA (Japanese Yew)

For any and every purpose in which Evergreens are required this Yew can be recommended. Perfectly hardy in New England and Ontario, immune from moist diseases and pests. Accommodating to an extraordinary degree, withstanding shade or full sunshine. Dark green at all seasons of the year. This plant has been acclaimed "Asia's greatest gift to the gardens of America."

(Each) (10) (100)

cuspidata capitata (Upright Yew) The natural form. Trees to 40 ft. The best type hedge Yew for all general purposes.

*4-6 in. seedling X	\$6.50	\$45.00
*6-8 in. cutting X		55.00
*9-12 in. XX		110.00
*12-15 in. XX	20.00	175.00
2½ ft. BB	\$12.00 90.00	800.00

cuspidata (Spreading). Commonly offered as "cuspidata." 6 ft. Zone III. A spreading open bush.

*4-6 in. X	5.00	35.00
*8-10 in. X	9.50	80.00
*12-15 in. XX	19.00	160.00
*8-12 in. XX	16.00	120.00
18 in. BB	10.50 95.00	
12 in. BB	5.50 50.00	

—columnaris (Adams Columnar). 12 ft. Narrow and dense.

*4-6 in. X	6.00	40.00
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—densa. 3 ft. A neater, denser form of Dwarf Yew.

12 in. BB	7.00 65.00	
*4-6 in. X	7.50	55.00

(Each) (10) (100)

—Jeffreyi (Jeffrey's Pyramidal Yew). A fine plant. Very narrow and upright in growth. One of the best of the column types.

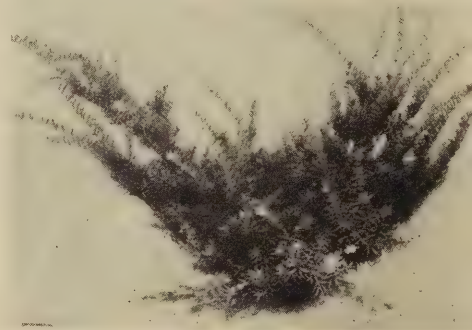
*4-6 in. X	6.00	45.00
3 ft. BB	12.50 120.00	

—nana ("Brevifolia") (Dwarf). 4 ft. Zone III. Slow growing, spreading, dense dark foliage. Picturesque. Substitute for Dwarf Boxwood.

*4-6 in. X		35.00
*6-8 in. X		7.00 50.00
8-10 in. BB	5.00	45.00
15 in. BB	8.50	75.00



T. Media Brownii



T. Media Andersonii

(Each) (10) (100)

—nana Hilli. Same type foliage as c. nana but grows erect. A fat little pyramid.

*4-6 in. pot		70.00
24 in. BB	10.50 98.00	

—ovata. Broad, upright in habit, large dark leaf and is unusually attractive throughout the year, especially in fall. Very heavy producer of red fruit. Zone IV.

*4-6 in. X	6.00	45.00
*8-10 in. X	8.50	70.00
15 in. BB	6.50 60.00	

—vermeulen (Upright Brevifolia). 12 ft. Zone III. New. Compact and dense. Broad base and narrow top. Beautiful pyramid with more red berries than most. Short needles.

*4-6 in. X	5.00	40.00
*8-10 in. X	8.00	65.00
*9-12 in. XX	18.00	130.00
2½ ft. BB	12.00 110.00	

TAXUS MEDIA (Hybrid Yew)

(Each) (10) (100)

—**media Hatfieldi** (Hatfield's Yew). 12 ft. Zone IV. A compact cone in outline. The branches are upright. Full of character.

*4-6 in. X \$5.00 \$40.00
*9-12 in. X 14.00 100.00
24 in. BB\$9.50 90.00

—**m. Hicksi** (Hicks). 7 ft. Zone V. Strong, fat upright shrub. Fine hedge. Good berries.

*4-6 in. X 6.00 45.00
*8-10 in. X 8.50 70.00
*9-12 in. XX 16.00 120.00
2 ft. BB 9.50 90.00

—**m. Kelseyi** (Berrybush). 8 ft. Zone IV. Our introduction 1936 and attracting favorable comment everywhere. Propagated from the point of view of its wealth of red berries in autumn. Bears young and grows slowly. A dense, full bush. Needles like the Dwarf Yew.

*6-9 in. X 9.50 75.00
*8 12 in. XX 125.00
18-24 in. BB 12.00 110.00

Photo shows (left to right):
Rear Row: *Capitata*, *Sentinel*, *Pillar*, *Robusta*, *Stricta*.
Front Row: *Kelsey*, *Nana*, *Vermeulen*, *Cuspidata*.

(Each) (10) (100)

—**m. Andersoni**. A wide vase-shaped form. Zone V.

*4-6 in. X \$5.50 \$40.00
*8-12 in. XX 125.00
12-15 in. BB \$7.00 65.00

—**m. Moon's Column**. A good narrow upright grower to about 12 ft. Zone V.

2 ft. BB 9.50 90.00

—**m. thayeri**. Broad, flat, spreading bush, light green.

*6-8 in. X 7.50 55.00
*12-15 in. X 12.00 95.00

—**m. Browni**. A dense and compact form. Zone V. Easily pruned.

*4-6 in. X 5.50 40.00
*6-10 in. XX 90.00
12 in. BB 6.50 55.00

—**m. Wellesleyana**. A dense, fat column; foliage a fine dark lustrous color. Zone IV.

*4-6 in. X 6.00 45.00
2 ft. BB 9.50 85.00 800.00

Evergreens

SEVEN NEW MEDIAS

Here are those narrow, upright forms of yew in different heights, that are so useful in landscape work

PYRAMIDALIS (*Pyramid Yew*). Narrow, fast growing to 15 feet. Dark green.

FLUSHING—Like pyramidalis but darker glossy needles. Red berries.

ROBUSTA (*Obelisk Yew*). Even faster growth to 20 ft. Otherwise the same.

SENTINALIS (*Sentinel Yew*). Fantastically narrow, but well leaved. To 12 feet.

Above four only in
6-9 in. X 5 for \$13.50

GRANDIFOLIA (*Bigleaf Yew*). Needles are enormous, dark green. A quite narrow tree.

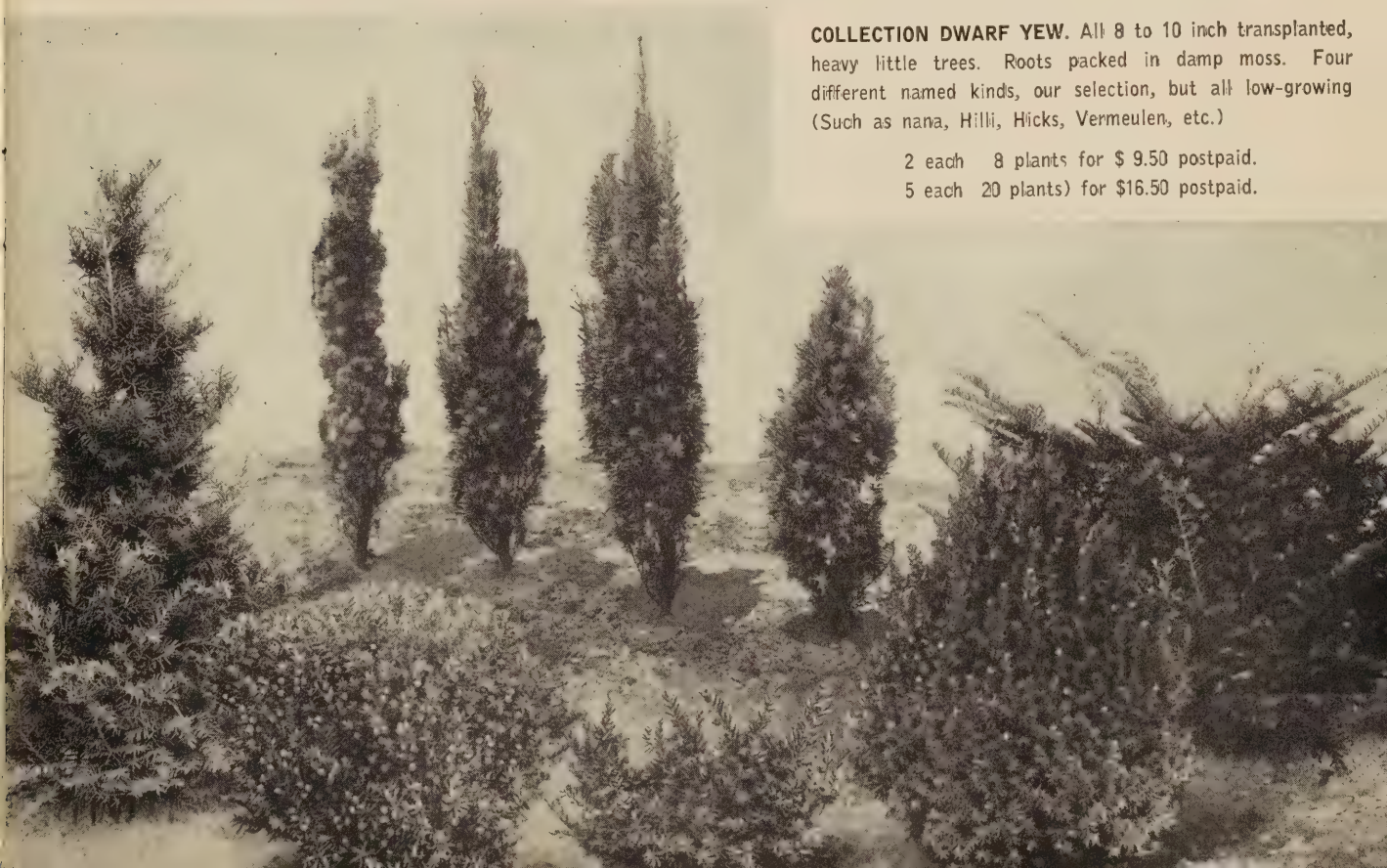
STRICTA (*Narrowbush*). Slow, to 6 feet. Narrow dwarf, compact vertical growth.

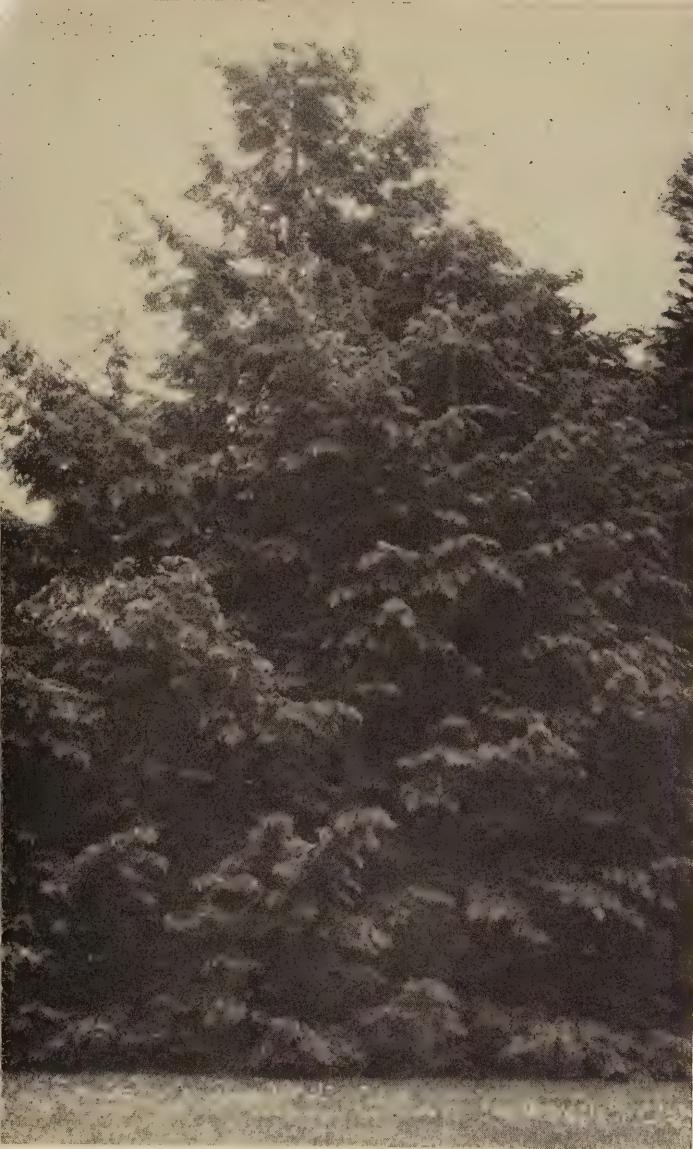
VERIDIS (*Grassgreen Yew*). Same as the *Stricta*, but bright green all winter.

6-12 in. XX—10 for \$20.00
Any 2 for \$5.00

COLLECTION DWARF YEW. All 8 to 10 inch transplanted, heavy little trees. Roots packed in damp moss. Four different named kinds, our selection, but all low-growing (Such as *nana*, *Hilli*, *Hicks*, *Vermeulen*, etc.)

2 each 8 plants for \$ 9.50 postpaid.
5 each 20 plants) for \$16.50 postpaid.

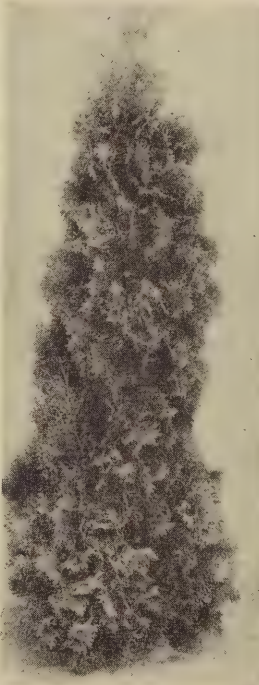




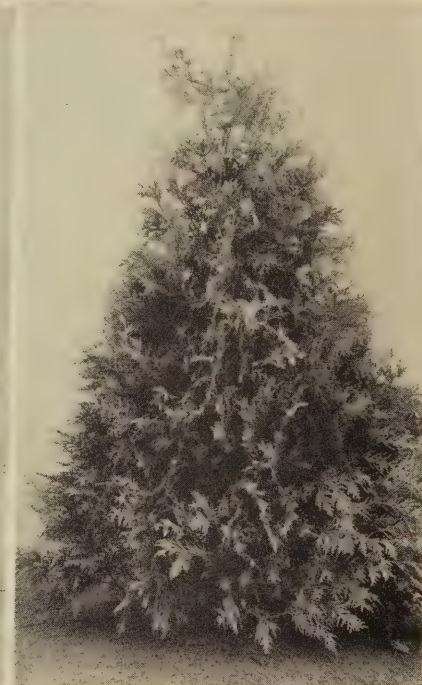
Tsuga Canadensis, Northern Hemlock



Sargent's Weeping Hemlock



Pyramid Arborvitae



American Arborvitae

THUJA. American arborvitae prefers the extreme north. It grows in any good soil, even with poor drainage.

Occidentalis (American Arborvitae). 30 ft. Zone II. Pyramidal tree with dense, frond-like, evergreen leaves, popular.

*6-10 in. X25 \$5.00, 100 \$18.00
 *12-18 in. XX 10 \$10.00, 100 \$65.00
 2-3 ft. BB\$5.75 each, 10 \$47.50
 4-5 ft. BB\$8.75 each, 10 \$75.00

—**globosa** (Globe AV). 5 ft. Zone II. Good green dwarf. Does not grow out of bounds.

*4-6 in. X10 \$5.50, 100 \$45.00
 10-12 in. BB \$4.00 each, 10 \$35.00

—**pyramidalis** (Pyramidal). 25 ft. Zone II. This is perhaps the best tall form of American Arborvitae. Formal, narrow hedges.

*6-8 in. X25 \$12.50, 100 \$45.00
 *12 in. XX10 \$12.00, 100 \$95.00
 2-3 ft. BB\$5.75 each, 10 \$55.00

Tsuga - the Hemlock

A noble tree. One of the most useful of all evergreens. Dry or wet soils, sun or shade.

Canadensis (Northern Hemlock). 60 ft. Stands shade. The most beautiful native evergreen. Zone IV.

*8-12 in. S25 \$4.00, 100 \$12.00
 *4-7 in. X25 \$7.00, 100 \$25.00
 *12 in. XX25 \$18.00, 100 \$70.00
 *15 in. XX25 \$35.00, 100 \$130
 1½ ft. BB\$6.25 each, 10 \$55.00

—**Sargenti** (Weeping Dwarf). Very useful, low and wide.

*12 in. X (2 yr.) \$3.50, 10 \$30.00

caroliniana (Carolina Hemlock). 50 ft. Zone IV. Damp, acid preferred. Dense. Striking shadows. Drooping.

*12-15 in. S25 \$5.00, 100 \$16.00
 4-5 ft. BR\$20.00 each

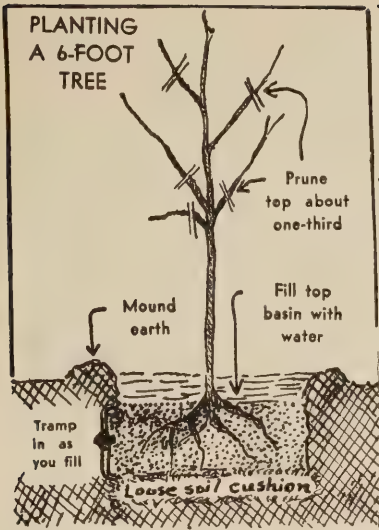
Special Hemlock Offer

Hemlocks naturally make compact root systems if grown in soft humus. We have collecting rights on an area in North Carolina where they grow in this manner and can dig nice shapely young plants with a ball of earth (B&B) that will give satisfaction and grow into fine specimens. Express runs about 15 cents a plant, paid on arrival. Two kinds.

TSUGA canadensis (Northern)

TSUGA carolina (Carolina)
 (10) (25) (100)
 12 in. BB \$12.00 \$25.00 \$98.50

* = young, unformed. X = transplanted. B&B = ball of earth. Shapely. Plants not marked: well shaped.



HANDSOME DECIDUOUS TREES

On the next 8 pages is an alphabetical list of deciduous trees — the better kinds only. Many sorts not listed can be quoted on request. Small, bushy trees are included in this list, though some of them come close to being shrubs (there is no clear dividing line). We try to simplify, e.g., all Maples, even dwarf forms, are here — while all Viburnums, even tree-like kinds, are listed as shrubs.

TREES GROW QUICKLY

Since a young tree requires little care, and is much less expensive and trouble to plant than a large one, it pays to plan ahead. A special list of bargains for such use is made on Page 11. *Ulmus pumila* Poplars and Willows are famous for rapid growth—but among “slow” trees known to have reached 30 feet or more in their first 15 years of life are Red Oak, Pin Oak, most Maples, *Liriodendron*, several Birches, Black Locust and American Linden.

Photo: Flowering Dogwood. (See **CORNUS**, page 26.)



FLOWERING TREES

Hardy	FEET				x = flower; o = fruit	Early	May	June	Summer	Autumn
	Wide	High	Healthy							
III	20	40	..	<i>Aesculus rubicunda</i>			x			
IV	30	80	..	<i>Catalpa speciosa</i>				x		
IV	12	35	x	<i>Cercis</i> (Red Bud)		x				
IV	15	25	x	<i>Cornus florida</i>			x			o
V	12	20	x	<i>Cornus kousa</i>				x		
IV	12	20	x	<i>Cornus mas</i>		x			o	o
IV	15	20	x	<i>Crataegus</i> (Hawthorn)			x			o
V	12	30	x	<i>Franklinia</i> (<i>gordonia</i>)					x	x
IV	15	25	x	<i>Halesia tetraptera</i>			x			
V	8	20	x	<i>Hamamelis mollis</i>		x				
V	15	25	x	<i>Koeleruteria</i>					x	
V	20	40	x	<i>Laburnum vossii</i>				x		
IV	40	100	x	<i>Liriodendron tulipifera</i>				x		
V	12	25	x	<i>Magnolia conspicua</i>		x				
V	10	20	x	<i>Magnolia soulangeana</i>		x				
V	12	25	x	<i>Magnolia lennei</i>			x			
V	10	20	x	<i>Magnolia nigra</i>			x			
V	8	8	x	<i>Magnolia stellata</i>		x				
IV	15	20	x	<i>Malus</i> (Flowering Crabs)			x	x		o
IV	12	30	x	<i>Oxydendron arboreum</i>					x	x
V	20	40	..	<i>Prunus</i> Flowering Cherry			x			
IV	30	70	x	<i>Robinia pseudacacia</i>				x		
IV	30	60	x	<i>Sophora japonica</i>					x	
II	15	40	x	<i>Sorbus</i> (Mountain Ash)					o	
V	10	20	..	<i>Styrax japonica</i>			x			
V	15	20	..	<i>Symplocos paniculata</i>			x			o
III	40	80	..	<i>Tilia</i> (Linden)				x		

HELP IN SELECTING

SHADE TREES

	Tolerance		Faults			Virtues		
	Poor soil	Wet soil	Smoke	Root-greedy	Weak-branch	Quick	Health	Showy
ACER Negundo (Box-elder)	x	x	x	x	x	x	..	..
A. platanoides (Norway Maple) ..	..	..	x	x	..	x	..	..
A. rubrum (Red Maple) .....	..	x	..	x	..	x	..	x
A. saccharum (Sugar Maple)	x	..	..	..	..	x	..	..
BETULA alba (Birch)	x	..	..	..	x	..	..	x
B. populifolia (Gray B.)	x	x	..	..	x	x	..	x
B. papyrifera (Canoe Birch) .....	..	..	..	..	..	x	x	x
CELTIS (Hackberry)	x	..	..	..	..	..	..	..
FAGUS (Beech) .....	..	..	..	..	..	..	..	x
FRAXINUS (Ash) .....	..	x	x	..	..	x	x	..
GINGKO biloba .....	..	..	x	..	..	x	x	..
GYMNOCLADUS (Coffee-tree) ..	..	..	..	..	..	..	x	..
PLATANUS (Sycamore) .....	..	x	..	..	..	..	..	..
P. acerifolia (Oriental Plane) .....	..	x	x	..	..	x	..	..
POPULUS (Poplar—most kinds) ..	x	..	..	x	x	x	..	..
QUERCUS palustris (Pin Oak) ..	..	x	..	..	..	x	..	..
Q. coccinea (Scarlet Oak)	x	..	..	..	..	..	..	..
Q. rubra (Red Oak)	x	x	..	..	..	..	..	..
SALIX (Willow—most kinds) .....	..	x	..	x	x	x	..	..
TAXODIUM (Bald-cypress) .....	..	x	..	..	..	..	x	x
TILIA (Linden—most kinds) .....	..	..	..	..	..	x	..	..
ULMUS campestris (English Elm) ..	..	..	x	x	..	..	..	..
U. americana (American Elm) ..	..	x	..	..	..	..	..	..
U. pumila (Siberian Elm)	x	..	..	x	..	x	..	..

ACER dasycarpum (Silver Maple). 100 ft. Zone III. Very fast growing, handsome tree.

*12 in. S25 \$6.00, 100 \$ 35.00
5 ft. X5 \$10.00, 100 \$180.00
6-8 ft.\$4.50 each, 10 \$25.00
8-10 ft.\$6.50 each, 10 \$45.00

ginnala. 25 ft. Zone II. Conspicuous red fruit in summer. Handsome red leaves in autumn.

*12 in. S25 \$3.50, 100 \$10.00
2-3 ft. X5 \$8.50, 100 \$135.00
6-8 ft.\$9.50 each, 10 \$75.00

palmatum atropurpureum (Red-Leaved Maple). 10 ft. Mostly wine-red leaves. Bushy, compact. Any sheltered soil. In time, becomes an open tree-like shrub. Zone V. (Selected red Seedlings.)

*6-10 in. S10 \$5.00, 100 \$35.00
3-4 ft. X\$5.50 each, 5 \$22.00

—**Bloodgood**. Grafted form, very red leaves all summer. The best.

*8 in. 1 yr.\$3.00 each, 10 \$25.00
15-18 in. X\$4.50 each, 10 \$40.00
18-24 in. BB \$7.50 each, 10 \$70.00

—**aureo variegata** (Goldenleaf Japan Maple).

1 yr. graft\$4.00 each, 5 \$16.50

—**atropur dissectum** (Cutleaf purple).

1 yr. graft\$4.00 each, 5 \$16.50

Rubrum (Red or Swamp Maple). 80 ft. Zone III. Majestic drooping pyramid. Red flowers in April. Wet land but tolerant of drainage.

*2 ft. S25 \$4.00, 100 \$ 12.50
*4 ft.5 \$7.50, 100 \$125.00
6 ft.\$6.50 each, 10 \$60.00

platanoides (Norway Maple). 60 ft. Zone III. Dense, round-headed. Excellent for city streets. Easily grown. Bad in gardens, because of greedy roots.

*4-5 ft.10 \$12.50, 100100.00
6-8 ft.\$6.00 each, 10 \$55.00
10 ft.\$12.00 each, 10 \$95.00

—**Crimson King**. A form with dark purple leaves that holds color all summer (Pat. No. 735.)

5-6 ft.\$6.00 each, 10 \$50.00

—**pyramidalis**. A grafted form, extra narrow column.

6-8 ft.—\$9.75 8-10 ft.—\$13.50

saccharum (Sugar Maple). 100 ft. Zone III. Hates Smoky cities. Heavy dense, regular pyramid. Autumn color. The most effective country landscape shade tree there is. Bold and dark at a distance.

*12 in. S25 \$4.00, 100 \$ 12.50
*4 ft.5 \$7.50, 100 \$135.00
*6 ft.5 \$11.00, 100 \$180.00
6-8 ft.\$6.00 each, 10 \$48.00

—**monumentale**. A narrow column form of Sugar Maple. Grafted.

*1 yr. graft5 \$17.50, 100 \$275.00

spicatum (Mountain Maple). 25 ft. Zone II. Bright red summer fruit. Bright orange autumn leaves.

*12 in. S25 \$5.00, 100 \$ 15.00
4-6 ft.5 \$15.00, 100 \$200.00

* = young, unformed. X = transplanted. BB = ball of earth. Shaped. Plants not marked: well shaped.

AESCULUS octandra (Buckeye). 60 ft. Zone III. Yellow flower, May. Horse-chestnuts October. Tolerant.

*2 ft. S10 \$6.00, 100 \$40.00
6-8 ft.\$9.50 each, 5 \$45.00

pavia (Red Buckeye). 35 ft. Zone V. Bright red flowers. Neat, handsome, tolerant.

6-12 in. S10 \$3.50, 100 \$25.00
2-3 ft. X\$3.25 each, 5 \$13.50
1-1½ ft. X\$1.75 each, 10 \$15.00

hippocastanum (Horse-chestnut). 90 ft. Zone III. Showy white blooms in May.

4-5 ft.\$6.75 each, 10 \$55.00
5-6 ft.\$8.50 each, 10 \$70.00



ALBIZZIA julibrissin rosea. (Hardy Mimosa). Almost a tree. 18 ft. Zone V. Very rare. Interesting pink flower, when blooms are scarce in July.

4-5 ft.\$5.00 each, 5 \$20.00

ARALIA elata (Angelica-tree). 50 ft. Zone III. Tropical leaves. Large white blooms in August.

3-4 ft.\$4.00 each, 10 \$30.00



Maple Leaves



Young Norway Maple

TREES

BETULA alba (European White Birch). 40 ft. Zone II. Good white bark. Spreading. Very tolerant tree.

3 ft. clumps\$4.00, 5 \$17.50
5 ft. clumps\$7.00, 5 \$30.00
5 ft.\$3.75, 5 \$15.00, 100 \$225.00
8 ft.\$6.00 each, 10 \$45.00

—**laciniata** (Cutleaf Weeping). Like above, but drooping branches and lacy, drooping leaves. The effect is superb on a lawn. Only fault: Hard to move large trees.

4 ft.\$3.75, 10 \$30.00, 100 \$250.00
6-8 ft.\$7.50 each, 5 \$28.00

papyrifera (Canoe or Paper Birch). 80 ft. Zone II. Whitest bark of all, but yellowish when young. Handsome, long-lived, tolerant.

*2 ft.25 \$8.00, 100 \$ 25.00
*4-5 ft.\$2.50, 10 \$18.00, 100 \$150
8-10 ft.\$10.00 each, 10 \$90.00

populifolia (Gray Birch). 30 ft. Zone IV. The common clump of "white" birch in woods. Poor soil. Short lived.

*1½ ft. S25 \$6.00, 100 \$ 18.00
*4-5 ft.10 \$18.00, 100 \$150.00
6-8 ft.\$5.75, 10 \$45.00

lenta (Sweet, or Cherry Birch). 90 ft. Zone III. Handsome, tolerant. Red-brown bark.

*12 in. S25 \$5.00, 100 \$15.00
*4-6 ft.5 \$9.00, 100 \$150.00

CARPINUS betulus pyramid. 60 ft. Zone V. Very tolerant. Good tall hedge.

*15-18 in. X10 \$18.00, 100 \$135
4-5 ft. BB\$20.00 each, 5 \$90.00

CARYA laciniosa (Shellbark Hickory). 100 ft. Zone V. Wet, rich soil.

*1½ ft.5 \$4.00, 100 \$45.00
3-4 ft.\$6.00 each

—**ovata** (Shagbark Hickory). 80 ft. Zone IV. Light, drained soil.

*12 in. S10 \$7.00, 100 \$20.00
*4-5 ft. X5 \$10.00, 100 \$150.00

pecan. 50 ft. Zone V. Selected hardy seedlings, good nuts.

2 ft.\$2.75 each, 2 for \$5.00
*12 in. S10 \$9.50, 100 \$75.00

CASTANEA mollissima (Chinese Chestnut). See page 55.)

pumila (Chinquapin Chestnut). 20 ft. Zone V. Totally blight-proof. Smaller, tasty nut.

2-3 ft.\$4.50 each, 10 \$40.00

CATALPA speciosa (Western Catalpa). 80 ft. Zone IV. Handsome pyramid. Spotted white in June. Showy. Timber durable in water.

*2 ft. S10 \$2.50, 100 \$ 12.00
6 ft. X5 \$15.00, 100 \$200.00

—**bungei** (Umbrella Tree). 6 ft. Form with single trunk, round head.

5-6 ft. stems, 2 yr. \$6.00, 10 \$45.00

CELTIS occidentalis. 100 ft. Zone II. Good straight timber, handsome. Moist. Stands city.

6-8 ft.\$7.50 8-10 ft.\$9.50

CERCIDIPHYLLUM japonicum (Katsura). 40 ft. Zone IV. Dense pyramid. Handsome leaf, yellow in fall.

5-6 ft.\$9.50 each, 5 \$40.00

CERCIS canadensis (Red Bud). 20 ft. Zone IV. Rosy pink buds cover bare branches in April. Humus. Beautiful. Part shade.

*12 in.25 \$3.00, 100 \$9.00
12 in. X10 \$6.00, 100 \$45.00
4-5 ft.\$3.50, 10 \$20.00, 100 \$150
5-6 ft.\$5.00, 10 \$40.00, 100 \$350

—**alba** (White Bud). Very rare and showy white form of Red Bud.

3-4 ft.10.00 each, 2 \$17.50

chinensis (Chinese Red-bud). 40 ft. Zone VI. More, larger, darker flowers than our native.

3-4 ft.\$3.25, 2 for \$6.00

CHIONANTHUS virginica (White Fringe). 25 ft. Zone IV. Fragrant white tassels in May. A slow tree, but worth waiting for. Good drainage.

*6-12 in. S10 \$5.00, 100 \$35.00
*18-30 in. S\$1.50 each, 10 \$10.00
3-4 ft.\$3.50 each, 10 \$30.00

retusus. 18 ft. Zone V. Similar, and as handsome as the above. Blooms June-July, when few trees bloom. Rare.

2-3 ft.\$6.00 each, 5 \$27.50

CLADRASTIS lutea (Yellow-wood). 50 ft. Zone III. Fragrant, white in June. Stands drought. Deep roots.

*12-15 in. S10 \$3.50, 100 \$20.00
4-6 ft. \$5.00, 10 \$40.00, 100 \$350.00

(left) Photo Birch Clumps: *B. papyrifera* is brown when young but whiter and more long-lived when mature. *Populifolia* is for quick effects. Two or more trees in one hole give clump effect quickest and cheapest.



Photo: Chionanthus



Cercis Canadensis



Cladrastis lutea

CORNUS — The Flowering Dogwoods

Perhaps the handsomest and easiest grown of all small trees.

florida (Flowering Dogwood). 25 ft. Zone IV. Very showy white in May, large red berries October on. Acid, humus. No more sensational sight than a group in bloom.

*12 in.25 \$4.50, 100 \$ 12.50
2 ft. X10 \$16.00, 100 \$125.00
3 ft. X \$3.00, 10 \$25.00, 100 \$200.00
4-5 ft.\$4.50 each, 10 \$ 35.00
6 ft.\$7.50, 10 \$50.00, 100 \$450.00

—**plena** (Double Dogwood). Rare form with showy double white bloom. Finer than the single. Grafts.

*12 in. X5 \$12.00, 50 \$95.00
3-4 ft.\$6.50 each, 5 \$28.00

—**Prosser**. The nearly-red Dogwood. New. Much darker than rubra.

*2¼ in. pot10 \$18.00, 100 \$150
2-2½ ft.\$7.00 each

—**rubra** (Pink Flowering). Pink flowers. No real red is known, but the clear pink is a beautiful tone. Plant in with white for best effect.

*12-15 in. X ..5 \$11.00, 100 \$155.00
2 ft.\$5.75, 10 \$50.00, 100 \$250.00
4-5 ft.\$9.50 each, 5 \$45.00

mas (Cornelian Cherry). 20 ft. Zone V. A yellow cloud in April. Scarlet berries August. Tolerant.

2-3 ft.\$2.25 each, 10 \$18.00

kousa (Japan Flowering Dogwood). 20 ft. Zone V. Like our native *C. florida*, but in June and more tolerant. Bushier.

18-24 in. BB\$7.00 each, 5 \$25.00

—**chinensis**. Form of Kousa with larger, whiter flowers.

2-3 ft.\$6.00 each, 5 \$27.50
4-5 ft.\$9.50 each, 5 \$42.50

CORYLUS avellina (Filbert). 20 ft. Zone III. Good nuts. A fine shrubby tree.

*18 in. S\$9.00 dozen, 100 \$70.00

(Named kinds. See page 55)

Americana (Hazelnut). 10 ft. Zone IV. Spreading. Tasty nuts.

*12 in. S25 \$5.00, 100 \$15.00
3-4 ft.\$2.75, each, 10 \$20.00

COTINUS coggygia (Smoke Tree). (Purple Fringe). 20 ft. Zone V. Oct. Wash of feathery purple covers entire plant.

3-4 ft. X\$2.50 each, 5 \$9.50
6-8 ft. X\$5.00 each, 5 \$20.00

—**rubrifolia**. Form with darker purple-bronze bloom.

4-5 ft.\$5.50 each, 5 \$20.00

CRATAEGUS cordata (Washington Thorn). 20 ft. Zone IV. Round head, bushy. Red fruit all winter.
2 ft.\$1.75, 10 \$12.50, 100 \$105.00
6-7 ft.\$5.00 each, 10 \$47.50

oxycantha (May Tree: English Haw). 20 ft. Zone IV. Showy white flower in May, fragrant. Red autumn fruit, good hedge.

6 ft.\$5.50 each, 10 \$45.00
*6-15 in. S25 \$8.50, 100 \$30.00

—**splendens** (Paul Scarlet Hawthorne). Form with showy red flowers. Grafted. Red berries. Prefers sun, lime, and heavy soil—even clay. In light soils, manure.
4-5 ft.\$4.50 each, 10 for \$37.00
5-6 ft.\$5.50 each, 10 for \$50.00

DAVIDIA involucrata. Called the most beautiful tree in the world by Dr. Wilson. Covered with large flowers "like white doves" in June. Zone VI.

2 to 3 ft.\$18.50 each

EVODIA Danielli. 25 ft. Zone V. White in June. Interesting.

5-6 ft.\$9.75 each

F A G U S sylvatica (European Beech). 80 ft. Zone IV. Lime, drain. Slow. Casts dense shade.
3-4 ft. BB\$12.50 each

—**riversi** (Purple.) Reddish-purple leaves. Handsome, bushy tree.

2-3 ft. X\$5.90 ppd., 5 for \$20.00
*1 yr. graft 10 \$18.00, 100 \$150.00



Crataegus Splendens
(Scarlet Hawthorn)

Cornus florida plena
(Double Dogwood)



(above): Cornus florida

(below): Davidia



We do not have all varieties of trees every year.
Better order now any rare kinds that interest you.

FRANKLINIA ALATAMAHA

Ben Franklin's Tree

35 ft. Zone V. Large white and yellow blooms fragrant from August to frost. Damp, acid, heavy, humus, blooms best in Sun. Blooming starts on small plants. An extraordinary native

Leaves bright red in autumn—often while white flowers still open. The only flowering tree that blooms in late fall. Unlike most trees, small sizes need more “nursing” than larger sizes.

	(Each)	(10)
*1 yr. S		\$ 6.50
18-24 in.	4.00	35.00
2-3 ft.	6.00	55.00
3-4 ft.	7.00	60.00
4-5 ft.	9.00	85.00

FRAXINUS americana (White Ash). 100 ft. Zone III. Vigorous, tolerant.

*12-18 in. X	25 \$2.50, 100 \$8.00
4-5 ft.	5 \$6.25, 100 \$120.00
6-8 ft.	\$6.00 each, 5 \$30.00

Pennsylvanica Marshall Seedless. 70 ft. Zone III. Dark glossy leaf. No seeds. Few insects.

4-5 ft.	5 for \$11.00, 100 \$180.00
8-10 ft.	\$9.75 each, 5 \$47.50

GINGKO biloba (Maidenhair Tree). 100 ft. Zone IV. Slow, but tolerant of city conditions.

*9-12 in. S	10 \$6.00, 100 \$40.00
4-5 ft.	\$5.00 each, 5 for \$22.50
6 ft.	\$14.00 each, 5 for \$60.00

GLEDITSIA tricanthos inermis (Thornless Honey Locust). 100 ft. Zone IV. Rich soil, sun. Good timber and good stock feed.

*1-1½ ft.	25 for \$2.75, 100 \$9.00
6-8 ft.	\$6.50 each, 10 for \$60.00

—**Moraine Locust.** Form with no thorns and no fruit, hence does not litter a lawn. A useful tree.

5-6 ft.	\$6.50 each, 5 \$30.00
--------------	------------------------

—**Sunburst Locust.** New seedless form. 8 inches of new growth gold, remainder green. Seems in bloom all summer.

4-5 ft.	\$6.75 each, 10 \$45.00
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HALESIA tetraptera (Great Silverbell). 25 ft. Zone IV. Profusion of white bells nod in May. Acid, humus.

2-3 ft.	\$2.50 each, 10 \$20.00
3-4 ft.	\$3.50 each, 10 \$30.00

—**monticola** (Mountain Silberbell). Larger to 60 ft. Zone V, otherwise similar to above.

2-3 ft. X	\$3.00 each, 5 \$12.00
3-4 ft.	\$4.50 each, 5 \$18.00

JUGLANS nigra (Black Walnut). See also page 55). 120 ft. Zone IV. Rich moist. Majestic, with good timber, handsome leaf and delicious nuts. The following are seedlings:

*1½ ft. S	25 \$5.00, 100 \$15.00
3 ft. S	5 \$3.50, 100 \$20.00
6-8 ft.	\$3.50 each, 10 \$25.00

(right) *Laburnum Vosei*

(below) *Franklinia*

TREES

KOELREUTERIA paniculata (Golden Rain Tree). 25 ft. Zone V. Sun, lime, dry. Large golden clusters in July. Showy.

*12-18 in. S	10 \$9.00, 100 \$65.00
*2-3 ft. S	5 \$7.50, 100 \$95.00
4-5 ft.	\$4.75 each, 10 \$35.00

LABURNUM vossi (Hybrid Golden Chain). 35 ft. Zone V. Hardier and freer to bloom than ordinary Laburnum. A clearer yellow color. Lime. Bright green stems in winter.

4-5 ft.	\$5.75 each, 10 \$55.00
6-8 ft.	\$10.50 each 10 \$95.00

LARIX decidua (European Larch). 100 ft. Zone II. Shapely pyramid with “needle” leaves.

*12-15 in. X	25 \$15.00, 100 \$55.00
5-6 ft. BB	\$8.50 each

LIQUIDAMBAR Styraciflua (Sweet Gum). 100 ft. Zone IV. Symmetrical tree. Brilliant fall color.

*12 in. S	25 \$5.00, 100 \$15.00
4-5 ft.	5 \$9.00, 100 \$150.00
6 ft. BB	\$6.50 each, 5 \$25.00

LIRIODENDRON tulipifera (Tulip Tree). 150 ft. Zone IV. Majestic giant, with yellowish tulips in June. Humus.

*12 in. S	25 \$5.00, 100 \$15.00
4 ft.	5 \$9.00, 100 \$135.00
6-8 ft.	\$3.50, 10 \$30.00, 100 \$250.00





(above): *Magnolia glauca*

(below): *Magnolia Waterlily*



(above): *Magnolia soulangeana*

MAGNOLIAS — Tree Aristocrats

MAGNOLIA glauca (Swamp Laurel). 16 ft. Zone V. Prefers moist, but tolerant. Semi-evergreen. White blooms scattered from June to August. Fragrant.

*10-12 in. X10 \$15.00, 100 \$125
15-18 in. XX5 \$12.50, 25 \$55.00
2-3 ft. BB\$10.00 each, 10 \$90.00

grandiflora (Great Southern Magnolia). Zone VI, if protected. For experimenters.

*12-15 in. X5 \$6.50, 25 \$25.00
3 ft. pot\$9.75 each, 5 \$45.00

kobus. 30 ft. shrubby. Zone V. White, May. Young trees flower.

*1 yr. X5 \$4.50, 100 \$65.00
2-3 ft.\$5.50 each, 10 \$48.00

macrophylla (Big-leaf Magnolia). 60 ft. Zone V. 18-inch leaves, foot-wide flowers May, fragrant.

*12-15 in. S5 \$5.00, 100 \$80.00
5 ft. X\$6.00 each, 10 \$45.00

purpurea (Liliflora). 9 ft. shrub. Zone V. Purple outside, almost white inside.

1½-2 ft.\$4.50 each, 10 \$40.00

stellata (Star Magnolia). 12 ft. Shrubby. Zone V. Early April, ribbony, white, fragrant bloom.

*8-12 in. X25 for \$45.00
12-18 in.\$4.00 each, 5 \$16.00
18 in.\$6.50 each, 10 \$55.00

—**waterlily**. New, hardier, blush-white form. Very double blooms in late April. Bushy growth.

*3 in. pots\$3.75 each, 5 \$15.00
2-3 ft.\$7.00 each, 5 \$30.00

soulangeana (Saucer Magnolia). 20 ft. Zone V. Late April show of large rose-purple blossoms, white inside. A hybrid species, including handsome varieties. Drain.

18 in.\$4.50, 10 \$38.00, 100 \$350
3-4 ft.\$7.50 each, 10 \$68.00

—**Rustica Rubra**. Larger, dark 1½-2 ft.\$5.50 each, 5 \$22.50

—**Grace McDade**. Very large pink. 18-24 in. X\$5.50 each, 10 \$45.00
3-4 ft. BB\$10.00 each, 10 \$95.00

—**Lombardy Rose**. Very large dark pink. Fine.

2-3 ft.\$7.50 each, 5 \$35.00

MALUS—Flowering Crabs

Vigorous, hardy, and breathtaking Zone III to V. Easy to grow. Showy in May. Any one kind.

*1 ft.5 \$6.50, 25 \$25.00
3-4 ft.\$2.75 each, 10 \$20.00
6-8 ft.\$4.50 each, 10 \$30.00

Floribunda. 18 ft. Pink, opens white.

Flor. purpurea, purple leaf form.

Niedzwetzkyana. Red flower, leaf, fruit.

Columnar Pink. Narrow column to 15 ft. double pink.

Hopa. Entirely covered. Rose blooms, red fruit. Zone III.

Jay Darling. Red leaf, flower, fruit. Good jelly.

Lemoine. Purple leaf, dark red flower and fruit.

DOROTHEA—the better Bechtel. Huge double pink in June. A fine ornamental tree. New.

3-4 ft. plants \$3.50 each.

METASEQUOIA (Dawn-redwood. Deciduous. The new living fossil conifer from western China. Hardiness probably Zone 11. One of the rarest trees.

*8-12 in. S \$3.50 each, 5 \$13.50

3-4 ft.\$ 13.50 each, 5 \$60.00

MORUS alba (Russian Mulberry). 30 ft. Zone IV. Round-topped tree. Fruit white to purple, edible.

*2 ft. S25 \$3.00, 100 \$9.00

4 ft.5 \$6.00, 100 \$95.00

NYSSA sylvatica (Tupelo). 60 ft. Zone IV. Interlaced, drooping. Early autumn color. Moist. Hard to transplant.

3 ft. BB—\$3.50 4 ft. BB—\$5.00

OXYDENDRON arboreum (Sorrel Tree). 30 ft. Zone IV. Peach-leaves turn red in autumn. Long clusters of white in July and August. Acid.

*12-18 in. S25 \$5.00, 100 \$15.00

4-5 ft. X \$3.50, 10 \$17.50, 100 \$125

PARROTIA persica. 20 ft. Zone V. Purplish flowers in March. Glorious orange and scarlet Autumn leaves.

5 in. pot\$5.50 each, 5 \$25.00

PAULOWNIA tomentosa (Empress Tree). Large violet blooms early May, before leaves. 40 ft. Zone VI. Often winter damaged, but fragrant and beautiful.

4-5 ft.\$4.50 each, 5 \$20.00

PHELLODENDRON amurense (Amur Cork-tree). 50 ft. Zone III. One of the best small shade trees. Conspicuous light gray bark.

*18-24 in. S25 \$12.00, 100 \$35.00

6-8 ft.\$10.50 each, 10 \$90.00

PLATANUS occidentalis (Sycamore). 120 ft. Zone IV. Giant, dignified native shade tree. Tolerant but prefers moisture.

*1½ ft. S25 \$4.00, 100 \$10.00

4-5 ft.5 \$6.25, 100 \$95.00

6-8 ft.5 \$11.25, 100 \$125.00

8 10 ft.\$6.00 each, 10 \$100.00

—“**Orientalis**” (*Acerifolia*) (Plane). 90 ft. Zone V, VI. Good city tree.

*3-4 ft. X10 \$12.00, 100 \$85.00

6-8 ft.\$9.50 each, 10 \$85.00

POPULUS—(See next page.)

Prunus - Flowering Fruit

JAPANESE CHERRIES

Serrulata Amanagawa. 20 ft. Zone V. Erect, narrow column, blush-pink in late May.

5-6 ft.\$8.00 each, 3 \$22.00

—**kwanzan**. Easily the darkest pink. Fully double, large flowers. Zone V.

3-4 ft.\$3.75 each, 5 \$12.50

—**Mt. Fuji**. Fine white. Zone V.

4-5 ft.\$8.00 each, 3 \$22.00

subhirtella pendula (Weeping Cherry). In May, a fountain of pink. 12 ft. Zone V.

4-5 ft.\$4.00 each, 5 \$17.50

5-6 ft.\$5.50 each, 5 \$25.00

—**autumnalis**. Zone VI. Delicate small pink flowers in October.

*1 yr. graft\$2.50 each, 5 \$11.00

5-6 ft.\$8.00 each, 3 \$22.00

Yoshino Akebono. 45 ft. Zone V. Handsome fragrant pink, May.

5-6 ft.\$8.00 each, 3 \$22.00

triloba Newport. (Purple-leaf Plum). 12 ft. Zone IV. Pink flowers in May. Dark purple foliage, even in summer. A fine small lawn tree.

4-5 ft.\$2.75 each, 5 \$12.50

Persica (Flowering Peach). 18 ft. Zone IV. Very showy, bright colors. Double flowers in May. Order RED, PINK, or WHITE.

2-3 ft.\$1.75 each, 5 \$6.00

(One each all 3 colors \$4.50 ppd.)

padus (May Day or Bird Cherry). 40 ft. Zone III. Edible black fruit.

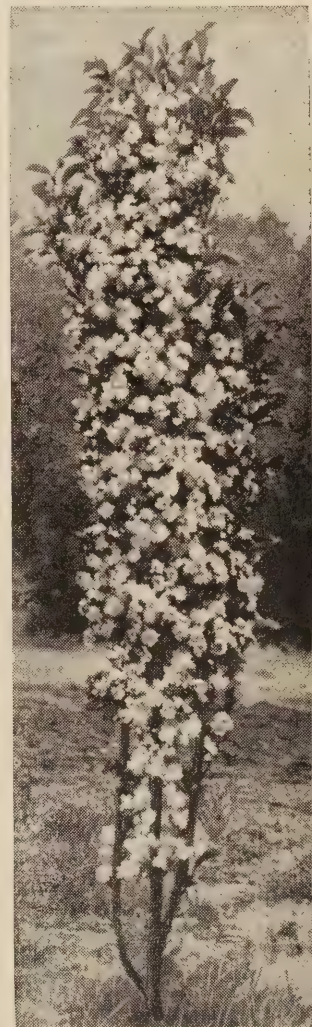
3-4 ft.5 \$12.50, 100 \$195.00



Malus (Crabapple) in May



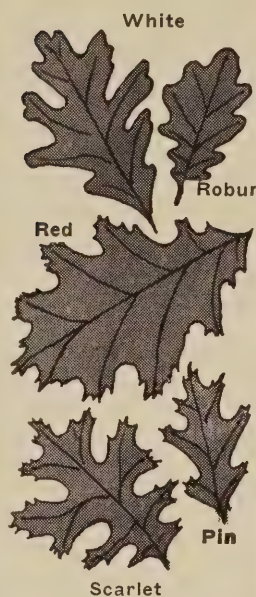
Weeping Cherry



Amanogawa Cherry



Quercus palustris (Pin Oak)



Oak Leaves



Salix Babylonica

POPULUS bolleana Bolleana Poplar). 40 ft. Zone II. Narrow column, hardy and disease-free. Better than Lombardy. Green leaf, white beneath.

*2-4 ft. X10 \$7.50, 100 \$50.00
4 ft.5 \$7.50, 100 \$125.00
6 ft.\$4.50, 10 \$32.00, 100 \$250.00

—**nigra italica** (Lombardy Poplar). 60 ft. Zone II. Quick column. Popular but prone to disease. Very tolerant as to soil.

*18-24 in.25 \$3.00, 100 \$9.00
*5-6 ft.\$1.50, 10 \$8.50, 100 \$65.00
6 ft.\$2.00, 10 \$15.00, 100 \$100.00

Quercus - The Oaks

The most long-lived of native trees. Not so slow—see Page 23.

alba (White Oak). 90 ft. Zone IV. Noble, spreading tree.

*12 in. S25 \$5.00, 100 \$15.00
*2 ft.10 \$4.50, 100 \$30.00
5-6 ft.\$7.00 each, 10 \$50.00
6-8 ft.\$9.00 each, 10 \$80.00

palustris (Pin Oak). 90 ft. Zone IV. Damp or dry soil. A fine street tree. Fast-growing.

*2 ft. S25 \$12.00, 100 \$38.00
*12 in. X10 \$9.50, 100 \$55.00
4-5 ft.5 \$15.00, 100 \$250.00
5-6 ft.\$5.00 each, 10 \$35.00
6-8 ft.\$7.00 each, 10 \$60.00

PRUNUS—(See page 29.)

PTEROSTYRAX hispida (Epaullette Tree). 40 ft. Zone V. Exceedingly rare and handsome. Large hanging panicles of creamy white fragrant flowers, June. Tolerant

12-18 in. X\$2.50 each, 10 \$20.00

ROBINIA pseudacacia (Black Locust). 70 ft. Zone IV. Dry, sandy soil. The drought tree! Showy, fragrant white flowers in June.

*3-4 ft. S25 \$6.00, 100 \$15.00
5-6 ft.5 \$9.00, 25 \$40.00

coccinea (Scarlet Oak). 80 ft. Zone IV. A neater Red Oak, finer autumn leaf.

*4-6 ft.5 \$12.50, 100 \$180.00
6-8 ft.\$9.00 each, 10 \$80.00

rubra (borealis) (Red Oak). 60 ft. Zone IV. Likes clay. Handsome.

*12-18 in. S25 \$6.00, 100 \$20.00
*4-6 ft.5 \$12.50, 100 \$180.00
6-8 ft.\$8.00 each, 10 \$70.00

cerris (Turkey Oak). 100 ft. Zone VI. Broad pyramid. Dark leaves. Handsome.

6-8 ft.\$9.00 each, 10 \$80.00

SALIX alba Vitellina (Russian Golden Willow). 40 ft. Zone II. Branches are bright startling yellow. Damp soil.

*2 ft.25 \$5.00, 100 \$15.00
*4-5 ft.10 \$12.50, 100 \$110.00

—**babylonica** (Babylon Weeping). 30 ft. Zone V. Familiar green fountain. Near, but not in water.

*1½ ft.25 \$7.50, 100 \$25.00
*4 ft.5 \$6.25, 100 \$110.00
6-8 ft.\$3.75, 10 \$25.00, 100 \$200.00

—**blanda** (Wisconsin Weeping). More vigorous hybrid of Babylonica. Spreading head, weeping. Zone IV.

*2 ft.25 \$6.00, 100 \$20.00
*4 ft.5 \$6.25, 100 \$110.00
6-8 ft.\$3.00 each, 10 \$25.00

—**niobe** (Golden Weeping). 40 ft. Zone II. Drooping yellow.

*1½ ft.25 \$7.50, 100 \$25.00
4-5 ft.5 \$6.25, 100 \$110.00
6-8 ft.\$3.50 each, 10 \$25.00

—**pentandra** (Laurel-leaf Willow). 60 ft. Zone IV. Handsome tree, shiny dark leaves. Showy catkins April.

*2 ft. S25 \$6.00, 100 \$20.00
5-6 ft.\$4.50 each, 10 \$20.00

—**nana purpurea** (Arctic Willow). Blue leaved dwarf to Zone I. Grows anywhere, even damp clay. Not over 4 ft., bushy, nice foliage. Excellent for low edging.

*12 in. X\$1.25, 10 \$7.50, 100 \$60
2 ft.\$1.75, 10 \$12.50, 100 \$95.00

SOPHORA japonica (Pagoda Tree). 75 ft. Zone IV. White in August. Showy and rare.

6-12 in. S25 \$10.00, 100 \$25.00
4-5 ft.\$6.50 each, 5 \$30.00

SORBUS aucuparia (Mountain Ash). (Rowan Tree). 30 ft. Zone II. Clusters of orange in August. Showy.

*12 in. S25 \$6.50, 100 \$22.00
2 ft. X10 \$10.00, 100 \$75.00
4 ft.\$3.50, 10 \$20.00, 100 \$190.00
6-8 ft.\$4.50 each, 10 \$35.00

SYMPLOCUS paniculata (Sweet-leaf). 35 ft. Zone V. Showy white flowers in May, brilliant blue berries in Sept. An unusual and very choice tree. Easily grown.

1-1½ ft.\$1.75 each, 5 \$7.50
2-3 ft.\$5.00 each, 2 \$9.50

STEWARTIA ovata (pentagyna). 15 ft. Zone V. Very showy white cups 3-inches across, July-Aug. Large bright green leaf shows orange in fall. One of the handsomest shrubby small trees.

3-4 ft.\$2.50 each, 10 \$18.00
4-5 ft.\$3.75 each, 10 \$30.00

pseudocamelia. 60 ft. Zone V. White cups in July. Good foliage turns purple in fall. Rare beauty.

2-3 ft. X\$3.00 each, 5 \$13.50

SYRINGA amurensis japonica. (Tree Lilac). 30 ft. Zone IV. Creamy white, June-July.

4-5 ft.\$4.00 each, 10 \$30.00

TAXODIUM distichum (Gald Cypress). 80 ft. Zone V. Is not evergreen, but looks like one. Graceful, feathery pyramid. Very fine shade tree. Tolerant.

12-18 in. S5 \$4.00, 25 \$15.00
6-8 ft.\$6.00 each, 5 \$22.50
4 ft.\$4.00, 10 \$30.00, 100 \$250.00

TILIA americana (American Linden). 100 ft. Zone II. Fine, large tree for avenues. Vigorous.

*2 ft. X10 \$9.50, 100 \$85.00
4-5 ft. X10 \$18.00, 100 \$125.00
6-8 ft.\$6.75 each, 10 \$65.00

europa (vulgaris). (European Linden). 90 ft. Zone III. Fine tolerant shade tree.

5-6 ft.—\$9.00 6-8 ft.—\$12.00

Cordata (Little-leaf European Linden.) 90 ft. Zone III. Handsome, dense foliage.

*2 yr. S25 \$9.00, 100 \$30.00
*12-18 in. X10 \$8.00, 100 \$60.00
6-7 ft.\$7.50, 10 \$65.00, 100 \$550

* = young, unformed. X = transplanted. BB = ball of earth. Shapely. Plants not marked; well shaped.

TREES

ULMUS americana (American Elm). 100 ft. Zone II. Most beautiful native tree. Tolerant, even of flooded land. Subject to blight near New York.

*2 ft.25 \$3.00, 100 \$9.00
5-6 ft.5 \$9.00, 100 \$150.00
6-8 ft.\$5.00 each, 10 \$25.00

Carpinifolia C. Buisman (Blight-free European Elm). 90 ft. Zone IV. The only elm resistant to all Elm diseases. New, very promising. Broadly pyramidal.

*2-3 ft.\$6.50 each, 10 \$60.00
6-7 ft.\$9.50 each, 5 \$45.00

pumila (Siberian or Chinese Elm). 45 ft. Zone IV. Neat, small, bushy tree. Very tolerant of dry land. Permanently desirable tree. Makes an excellent sheared hedge.

*2-3 ft. S25 \$4.00, 100 \$10.00
4-5 ft.5 \$7.50, 100 \$130.00
6-8 ft.\$4.00, 10 \$30.00, 100 \$250

WISTERIA "Tree". Blue Chinese wisteria grown to one-stem form. Can be kept trimmed to 6 or 8 ft. specimens. Not much trouble, and very showy indeed.

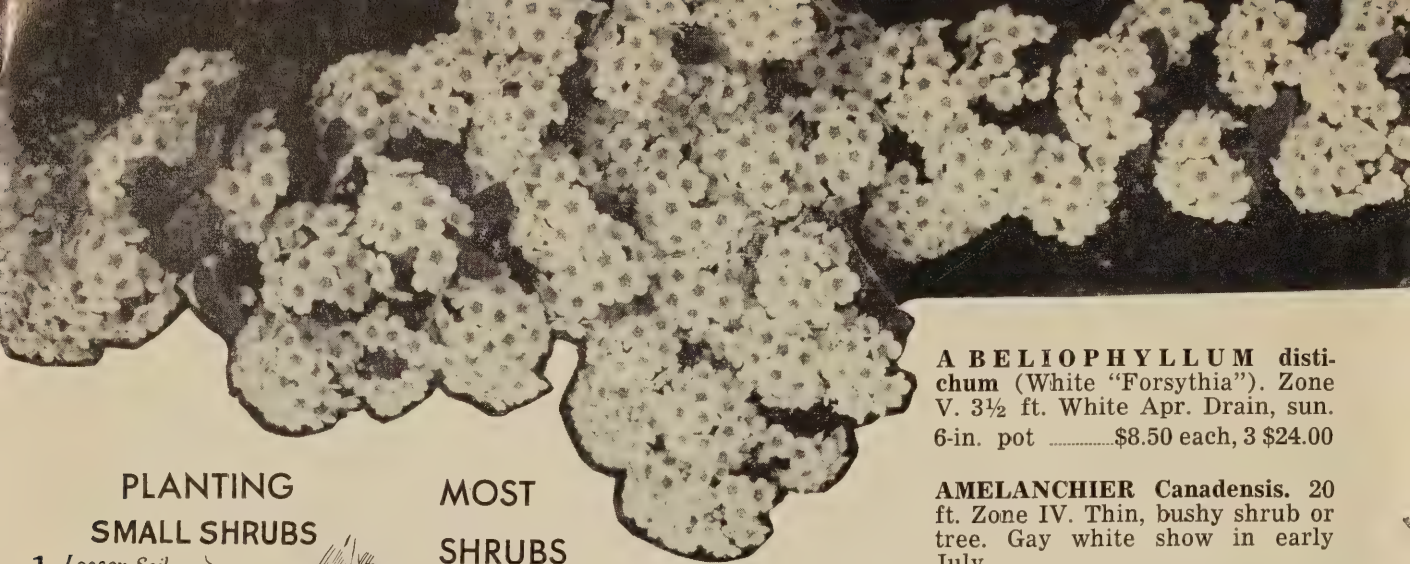
3-4 ft. grafted plants \$5.75 ppd.



Photo: Stewartia in bloom



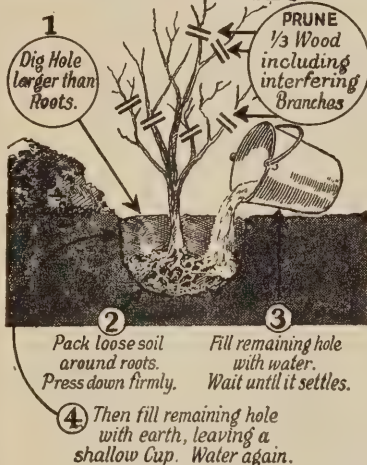
Berries of Sorbus (Mt. Ash) in August



PLANTING SMALL SHRUBS



LARGER SIZES



Shrubs that take care of themselves are marked in the tables below with a "†". These literally gain no improvement whatever from cultivation — plant 'em and forget 'em! Some are very beautiful indeed.

MOST SHRUBS

Bloom young, usually in second year. But after ten years they need 6 feet of space for best appearance. So plant 3 feet apart and arrange that every second shrub can be removed in later years. (Dwarf shrubs take just half this spacing.) Shrubs grow quickly, so small sizes (see Page 44 for some special offers) are practical for mass effects. Most kinds are in the table below and described and priced in following pages.

We price two general sizes:—One marked * which is small not well shaped (but will quickly grow so) and one not marked * which is fully shaped for a young plant. The larger size we will sell one or more; the smaller cannot be sold in less quantity than catalogued—one must buy 5 (10 rate) or 50 (100 rate).

PRUNING SHRUBS—Flowers come on old wood, so the rule is to prune when in bloom or just afterward. Thus no potential bloom is lost. Natural shrub shape is to have many main stems in a clump all ascending from the ground, so prune out old branches completely at the ground line thus encouraging plenty of new vigorous shoots. Branches in flower can be taken for house decoration at the time of pruning.

A BELIOPHYLLUM distichum (White "Forsythia"). Zone V. 3½ ft. White Apr. Drain, sun. 6-in. pot\$8.50 each, 3 \$24.00

AMELANCHIER Canadensis. 20 ft. Zone IV. Thin, bushy shrub or tree. Gay white show in early July.

*12 in.25 \$5.00, 100 \$16.00
2-3 ft.\$2.00 each, 10 \$15.00
3-4 ft.\$2.75 each, 10 \$20.00

BENZONIN aestivale (Spice Bush). 12 ft. Zone IV. Damp. A mist of pale yellow in April. Red berries. *12-18 in.25 \$5.00, 100 \$16.00
2-3 ft.5 \$7.50, 100 \$90.00

BERBERIS thunbergi (Japanese Barberry). 5 ft. Zone IV. Very tolerant. Bushy and dense, red berry in autumn. Fine hedge.

*6-12 in. S25 \$4.00, 100 \$12.00
*12-18 in. S10 \$2.50, 100 \$18.00
12-15 in. X10 \$5.00, 100 \$40.00
18 in.\$1.10, 10 \$8.00, 100 \$75.00

—**Atropurpurea.** Red leaf form.

*12-15 in. S25 \$10.00, 100 \$30.00
18 in. X \$1.25, 10 \$9.00, 100 \$85.00

—**Crimson Pygmy.** Very dwarf, purple-leaf. Outstanding. New.

*2 in. pots10 \$6.50, 100 \$50.00
2 year\$1.75 each, 3 \$4.90 ppd.

Beauty All Year ————— TIME-TABLE OF SHRUBS

SPRING

†Amelanchier
†Benzion aestivale
†Chaenomeles (Cydonia)
†Daphne Mezereum
†Forsythia (all kinds)
†Hamamelis mollis
Spiraea von Houttei
Syringa (most lilacs)
Tamarix africana
†Viburnum carlesii

EARLY SUMMER

†Deutzia (all kinds)
†Enkianthus campanulata
Exochorda grandiflora
Kolkwitzia
†Lonicera (shrub kinds)
Philadelphus virginal
Potentilla fruticosa
Spiraea trichocarpa
Syringa josikea
†Weigelia (all kinds)

LATE SUMMER

†Albizzia julib. rosea
Buddleia (varieties)
Calycanthus floridus
Cephalanthus
†Clethra alnifolia
Hydrangea A. G.
Hypericum prolificum
Spiraea A. Waterer (fruits)
†Lonicera (shrub kinds)

AUTUMN

Hibiscus syriacus
Hydrangea P. G.
Vitis agnus castus (fruits)
†Berberis thunbergii
Callicarpa purpurea
Photinia villosa
†Rhus cotinus
†Symphoricarpus
†Viburnum (many kinds)

Deciduous Flowering

SHRUBS

PAGES 32 to 39

BUDDLEIA (Butterfly Bush). Zone V. 6 ft. June-Aug. Drain.

- charming. Pink.
- Dubonnet. Wine-red.
- ile de france. Claret purple.
- Empire Blue. Real blue.
- Royal Red. Purple-red.

Prices on above 5 varieties ppd.
2 yr\$1.25 each (any 3 \$3.00)

CALLICARPA purpurea (Beauty-berry). 5 ft. Zone V. Violet berries, Oct. Tolerant.

18-24 in.\$1.75 each, 10 \$12.50

CALYCANTHUS floridus (Sweet-shrub). 9 ft. Zone IV. Fragrant brown in June.

2 ft. X\$1.50, 10 \$9.00, 100 \$75.00
*12 in. S10 \$2.50, 100 \$9.00

CARYOPTERIS Blue Mist. 2 ft. Roots hardy. Zone III. (Tops about Zone VI). Many showy clear blue flowers Aug. to frost. Tolerant.

2 yr. old\$1.35 ppd., 10 \$9.00

CHAENOMELES japonica (Japanese Juince). 4 ft. Zone IV. Sun. Bushy dwarf. Scarlet flowers in April. A tolerant ornamental shrub. Slow growth. Can be kept pruned.

*12 in. S25 \$4.50, 100 \$13.50
2 ft. X \$1.35, 10 \$11.00, 100 \$95.00

—Glowing Embers. New red.

—Coral Sea. Coral pink.

—Rosea grandiflora—Rose pink.

—Knaphill Scarlet. New, showy.

—nivilis. Large, pure white.

1 yr. graft\$2.00, any 5 \$7.50

—upright red. 6 ft. Grafted form. Grows only vertical stems. Neat, useful, showy.

*12 in.10 \$4.50, 100 \$30.00

2-3 ft. X\$1.75 each, 10 \$12.50

CITRUS trifoliata. 12 ft. Zone V. A hardy orange. Not edible, but showy small "oranges".

10-18 in.5 ppd. \$4.00, 100 \$40.00

CLETHRA alnifolia (Summer Sweet). 7 ft. Zone III. White fragrant spikes vary from July to August. Acid soil.

*12 in. S10 \$3.00, 100 \$16.00

1½-2 ft.\$1.75 each, 10 \$12.00

—a. rosea. Rare pink flowered form.

*2 in. pot5 \$4.00, 100 \$60.00

1½ ft.\$1.80, 10 \$15.00, 100 \$100

—barbinervis (Japanese). 20 ft. Zone V. White, fragrant. Aug. to October.

*1 yr. X5 ppd. \$4.00, 100 \$40.00

18-24 in.\$3.25 each, 10 \$25.00

CORNUS mas (Cornelian Cherry). 20 ft. Zone IV. Yellow bloom April. Scarlet berry August. Tolerant.

2-3 ft.\$2.25 each, 10 \$18.00

alba elegantissima. Leaves edged white. Blood-red stems. White fruit July. Grows any soil.

2-3 ft.\$2.50 each, 10 \$20.00

*10-15 in.25 \$15.00

COMPTONIA asplenifolia (Sweet-fern). 6 ft. Zone II. Grows even on barren soil. Fern-like leaves. Collected clumps only. Nice.

2-3 ft.5 \$6.00, 100 \$85.00

CORYLOPSIS sinensis. 15 ft. Zone (V). Fragrant yellow, April.

12-18 in.\$2.50 each, 5 \$10.00

18-24 in.\$4.50 each postpaid

CYRILLA racemiflora (Leather-wood). 25 ft. Zone V. White in June. Scarlet fall leaves.

*3 in. pot2 ppd. \$4.00, 10, \$13.50

DAPHNE Genkwa (Lilac Daphne). 3 ft. Zone V. Lilac clusters in April.

1½-2 ft.\$7.50 each, 5 \$35.00

12-18 in.\$5.50 each, 5 \$25.00

Mezereum alba. (February Daphne). 3 ft. Zone IV. White in March.

8-12 in. X\$2.50 each, 10 \$20.00

DEUTZIA gracilis. 3 ft. Zone IV. Drain. Dainty mass of white, May.

15-18 in.\$1.50, 10 \$12.50, 100 \$95

2-3 ft.\$1.75, 10 \$15.00, 100 \$120

—rosea. Pink flowers.

*2¼ in. pot10 \$6.50, 100 \$45.00

15-18 in. X\$1.50 each, 10 \$12.50

scabra—Pride of Rochester. Large pinkish white blooms. Vigorous. Zone V. 8 ft.

*18 in.25 \$5.00, 100 \$13.00

2 ft.\$1.25, 10 \$9.50, 100 \$60.00

ELEAGNUS angustifolia (Russian Olive). 20 ft. Zone II. Drought-resisting. Yellow berries in September.

*12-18 in. S25 \$3.00, 100 \$9.00

3 ft. X \$1.50, 10 \$12.50, 100 \$110.00

umbellatum. 12 ft. Zone III. Fragrant yellowish in June. Red fruit.

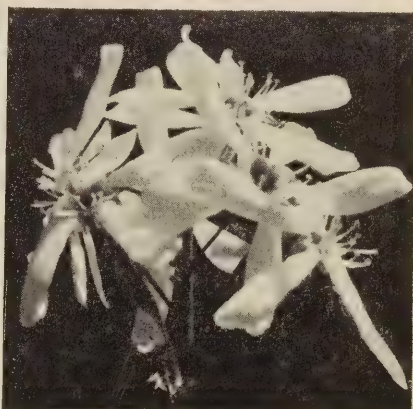
2-3 ft.\$1.75 each, 10 \$15.00

ENKIANTHUS campanulatus. 15 ft. Zone IV. Red-veined yellow flowers in May. Brilliant red autumn leaves. Humus, acid.

18-24 in. X\$2.50 each, 5 \$10.00



Enkianthus



Amelanchier



Clethra alnifolia

EUONYMUS alatus (Winged Euonymus). 8 ft. Zone III. Pink-Crimson autumn leaves. Showy.
 *9-12 in. X25 \$12.50, 100 \$45.00
 1½ ft. \$2.50, 10 \$20.00, 100 \$180.00

—**compacta**. Dwarf form. 5 ft.
 *2¼ in. pot10 \$7.50, 100 \$65.00
 18-24 in.\$2.75 each, 10 \$25.00

yedoensis (Yahoo). 12 ft. Zone IV. Pink fruit in sept. Handsome.
 *12 in. X25 \$10.00, 100 \$35.00
 2-3 ft.\$1.50 each, 10 \$12.50

EXOCHORDA racemosa (Pearlbush). 9 ft. Zone IV. Showy white, April-May.
 *12-15 in. S25 \$5.00, 100 \$16.00
 1½-2 ft. \$1.50, 10 \$12.50, 100 \$75.00

FOTHERGILLA parvifolia. 2 ft. Zone V. Spreading shrub, with unusual showy white spikes in April, before the leaves.
 15-18 in.\$6.95 each

FUSCHIA (hardy form). Zone (V). 2 ft., but dies down most winters. Glorious purple-red show all summer.
 2¼ in. pot5 \$4.00, 25 \$15.00

GREWIA biloba (Star Flower). Cream flowers, orange fruit. 8 ft. Zone VI.
 2-3 ft.\$2.50 each, 5 \$10.00

FORSYTHIA intermedia (Golden Bell). 9 ft. Zone VI. Familiar yellow blooms in April.
 *12-18 in S25 \$3.50, 100 \$9.50
 3-4 ft. X5 \$3.50, 100 \$50.00

—**Arnolds Dwarf**. 2 ft. Zone V. Very dwarf. Showy flowers.
 *6-9 in. X25 \$7.00, 100 \$20.00
 12-18 in. \$1.50, 10 \$9.00, 100 \$75.00

—**Lynwood Gold**. 7 ft. Zone V. Very many, very large, very deep yellow blooms. New, outstanding.
 *1 yr. cuttings 10 \$8.00, 100 \$55.00
 2 ft.\$2.00, 10 \$16.00, 100 \$135.00

—**spectabilis**. More, larger, yellow flowers. Zone V. 8 ft.
 *12 in.25 \$4.00, 100 \$12.00
 2 ft.\$1.50, 10 \$12.50, 100 \$95.00

—**spring glory**. A new forsythia hybrid very showy, hardy.
 *1 year X5 \$3.00, 100 \$40.00
 2-3 ft.\$1.35, 10 \$11.00, 100 \$95.00

ovata (Korean Forsythia). 6 ft. Zone IV. Less showy, but decidedly hardier and a week earlier.
 *1 yr. X10 \$5.00, 100 \$32.00
 2 ft.\$1.25, 10 \$10.00, 100 \$75.00

suspensa (Weeping Golden Bell). 6 ft. Zone V. Good May show. Drooping branches root and hold banks.
 *12 in.25 \$5.50, 100 \$18.00
 2-3 ft.\$1.75, 10 \$12.50, 100 \$95.00

HAMAMELIS mollis (Chinese Witch-Hazel). Very showy yellow. Feb. and March. 20 ft. Zone V.
 4-5 ft.—\$10.00 3-4 ft.—\$8.00

vernalis (Spring Witch-Hazel). 6 ft. Zone V. Yellow, fragrant in April.
 *6-10 in. S25 \$8.00, 100 \$30.00
 2-3 ft.\$2.00, 10 \$15.00, 100 \$100

virginiana (Winter Witch-Hazel). 12 ft. Zone IV. Yellow in November.
 *12 in. S25 \$5.00, 100 \$15.00
 2-3 ft.\$2.50, 10 \$18.00, 100 \$150

HIBISCUS syriacus (Althaea). 12 ft. Tree-like. Zone V. Heavy soil. Various colors in July and August. A useful shrub.

—**Anemoneflora**. Double pink.
 —**Double Red**. Showy flower.
 —**Jeanne d' Arc**. White, double.
 Any of above double kinds:
 *12 in. S25 \$4.00, 100 \$12.00
 1½ ft.\$1.00 each, 10 \$8.00

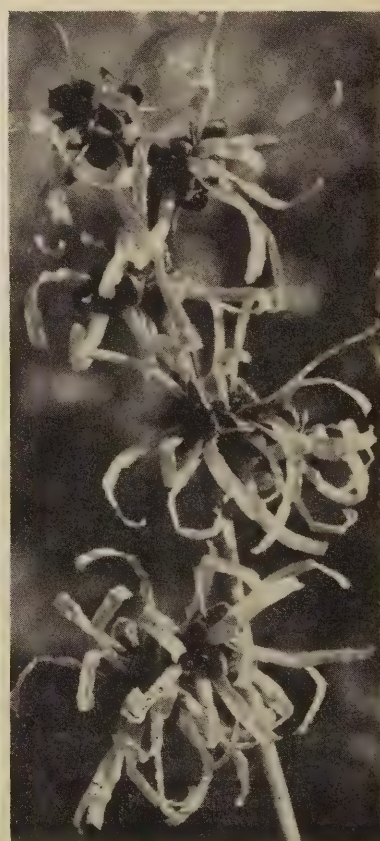
—**Coelestis**. Large single blue.
 —**Woodbridge**. Fine single red.
 —**Totus alba**. Single white.
 Above three single kinds only:
 2-3 ft.\$2.50 ppd., 5 \$10.00
HONEYSUCKLE. (See *Lonicera*)



Hibiscus syriacus



Koikwitzia



Hamamelis mollis

HYDRANGEA arborescens grandiflora (Snow Hill). 4 ft. Zone IV. Straggling unless cut to ground. Huge white blooms, July-August. Manure.

2-3 ft. ...\$1.35, 10 \$12.50, 100 \$95.00

paniculata grandiflora (Peegee). 7 ft. Zone IV. Similar to above, a month later, and blooms turn pinkish long after opening.

*12-18 in.10 \$3.50, 100 \$22.00

2-3 ft.\$1.35, 10 \$9.00, 100 \$65.00

—**Tree Form.** 9 ft. Grown to a single trunk.

3-4 ft.\$3.00 each, 10 \$22.00

Hortensis Blue. 6 ft. Zone VI. August to frost, blue in acid soil.

3 year\$3.00 each, 2 \$5.50 ppd.

HYPERICUM Frondosum (aureum). Golden St. Johnswort. Zone V to 4 ft. Bright yellow in August. Drain. Neutral soil.

2-3 ft.\$1.75 each, 10 \$15.00

—**Hidcote.** 2 ft. Zone V. Huge bright yellow. June to Oct.

2 year\$2.00 each, 5 \$8.75

Kalmianum. 3 ft. Zone IV. Brightest gold, July-August. The best hardy Hypericum.

18-24 in.\$1.75 each, 10 \$12.50

ILEX verticillata (Winterberry). 15 ft. Zone III. Dampness preferred. Many red berries all winter. A show.

*12-18 in. S25 \$5.00, 100 \$15.00

18-24 in. \$1.50, 10 \$9.00, 100 \$75.00

3-4 ft. \$2.50, 10 \$18.00, 100 \$125.00

—**Female.** (fruiting).

1½-2 ft.\$2.75 each, 10 \$20.00

JASMINUM parkeri. 1½ ft. Zone VI. Dainty dwarf, yellow flowers.

3 in. pot\$1.75 each, 5 \$7.50

KERRIA japonica (Kerria). 6 ft. Zone IV. Single bright yellow all spring.

2-3 ft.\$2.25 each, 10 \$18.00

—**japonica fl. plena.** (Double Kerria). The same with double yellow blooms.

*2 in. pot25 \$7.00, 100 \$25.00

1½ ft. \$1.75, 10 \$15.00, 100 \$140.00

KOLKWITZIA amabilis (Beauty Bush). 8 ft. Zone V. Sun, loose. A light green fountain flushed with a cascade of pink in June.

*18-24 in. X5 \$4.00, 100 \$55.00

2 ft.\$1.50, 10 \$12.50, 100 \$95.00

4-5 ft.\$3.50 each, 10 \$20.00



Deutzia gracilis—good dwarfs are few.

LAGERSTROMIA (Crepe Myrtle). Great trusses of pink Aug. to Oct. 15 ft. Zone VI. Order: **Pink or Red.**

1½ ft.\$1.75, 10 \$15.00, 100 \$125

—**White.**

2-3 ft.\$3.00 each, 10 \$25.00

LIGUSTRUM amurense (Amur Privet "North"). 12 ft. Zone V. Almost foolproof.

*12 in. (2 Br.) 25 \$4.50, 100 \$10.00

1½ ft. (3 Br.) 25 \$6.50, 100 \$20.00

3 ft. (4 Br.) 10 \$6.00, 100 \$30.00

Ibodium (Hybrid). 12 ft. Zone V. Like California, but hardier.

*12 in. (2 Br.) 25 \$4.50, 100 \$10.00

1½ ft. (3 Br.) 25 \$6.50, 100 \$20.00

3 ft. (4 Br.) 10 \$6.00, 100 \$30.00

Obtusifolium (Ibota). 9 ft. Zone III. Spreading, handsome. Showy white, July.

12-18 in. X25 \$3.00, 100 \$8.00

2-3 ft.10 \$7.50, 100 \$55.00

—**Vicary** (Very Golden Privet). Form with really bright yellow leaves.

8-12 in. X10 \$7.00, 100 \$55.00

12-15 in.5 \$5.00, 100 \$75.00

—**Regel's** 6 ft. Zone V. Handsome, dense shrub. Horizontal branches.

*12-18 in. X25 \$5.00, 100 \$20.00

2-3 ft.5 \$6.00, 100 \$90.00

Ovalifolium (California). 20 ft. Zone VI. Common, popular.

12 in. (2 Br.) 25 \$3.50, 100 \$10.00

2 ft. (4 Br.)25 \$6.50, 100 \$20.00

* = young, unformed. X = transplanted. BB = ball of earth, shapely. Plants not marked: well shapd.

LONICERA fragrantissima. (Winter Honeysuckle). 6 ft. Zone V. Yellow, fragrant, April; red berries, July. Semi-evergreen.

*12-18 in.25 \$5.00, 100 \$15.00

2-3 ft.\$1.50, 10 \$9.50, 100 \$80.00

korolkowi floribunda (Broad Blue-leaf). 9 ft. Zone IV. Intricate gray shrub. Pink in June, scarlet fruit in July.

3-4 ft.\$2.50 each, 10 \$17.50

Maacki. (Showy Fragrant Honeysuckle). 15 ft. Zone II. White in June. Red fall berries.

*12 in. S25 \$5.00, 100 \$20.00

18-24 in.5 \$4.00, 100 \$60.00

3-4 ft. \$2.00, 10 \$15.00, 100 \$120.00

morrowi (Morrow Bush Honeysuckle). 7 ft. Zone III. Spreading, bushy. Cream in May, scarlet fruit in July.

*12-18 in.25 \$4.00, 100 \$12.00

2-3 ft.2 \$3.00 ppd., 25 \$12.50

Syringantha Wolfii (Lilac Honeysuckle). 6 ft. Zone IV. Thickly branched. Carmine show in May.

*12-15 in. X25 \$12.00, 100 \$40.00

tatarica (Tatarian Honeysuckle). 8 ft. Zone IV. Bushy. Flower, June; red berry, July. Order: **White or Pink.**

*12-15 in.25 \$4.00, 100 \$12.00

2-3 ft.\$1.35, 10 \$9.00, 100 \$45.00

—**Zabelli (Red).** Fine color form of tatarica.

*12-18 in.25 \$7.00, 100 \$25.00

2 ft.\$1.35, 10 \$11.00, 100 \$90.00

MYRICA carolinensis (Bayberry). 6 ft. Zone II. A shapely rounded bush. Good foliage. Barren, sandy soils.

*6-12 in. S10 \$6.00, 100 \$45.00

12 in. BB5 \$10.00, 100 \$120.00

PHILADELPHUS coronarius (Sweet Syringa). 9 ft. Zone IV. White in June. Very fragrant. Needs lime.

*12-18 in.25 \$4.50, 100 \$15.00
2 ft.\$1.50, 10 \$9.00, 100 \$60.00

—**Frosty Morn.** 4 ft. Zone IV. White, double, fragrant, July. Fine new dwarf.

18-24 ft\$2.00 ppd., 5 \$9.00

—**virginal.** 8 ft. Zone V. Double, fragrant, translucent white blooms load the bush in June. Then a few show through summer, particularly if pruned.

*8-12 in. X25 \$8.50, 100 \$30.00
2 ft.\$1.35, 10 \$9.50, 100 \$80.00
4 ft.\$2.00, 10 \$17.00, 100 \$150.00

—**Minnesota snowflake** (new). Double, fragrant, large flowers. Zone III.

2-3 ft.\$1.75 each, 10 \$15.00
18-24 in5 \$6.50, 100 \$100.00

PHOTINIA villosa (Christmas Berry). 20 ft. Zone IV. Drain, sun. White in May. Showy red fruits. Birds love it.

2-3 ft.\$2.00, 10 \$15.00, 100 \$125
*2 yr. S10 \$4.00 ppd., 100 \$25.00

POTENTILLA fruticosa. 5 ft. Zone II. Large bloom, May to August. Sun, drain, moist.

—**purdomi.** Deep yellow variety. 18 in.—\$3.00 3½ ft.—\$4.50

—**Golddrop.** Dwarf fern-like leaves, gold flowers all summer. Zone IV.

1-1½ ft.\$1.60 each, 2 \$2.95 ppd.

RHAMNUS frangula. 15 ft. Zone II. Shiny leaves. August a load of red-purple fruit.

12-18 in. S25 \$9.00, 100 \$30.00
2 ft.\$1.50, 10 \$12.00, 100 \$100.00

RHUS canadensis (Fragrant Sumac). 4 ft. Trailing. Zone III. Yellow, April. Grows in poor soil. Fine bank cover.

2 ft.\$2.00, 10 \$15.00, 100 \$125.00

RIBES alpinum. (Alpine Currant). 5 ft. Zone II. Small yellow in May. Neat, dwarf. Stands shade.

12-15 in.\$1.50 each, 10 \$12.50

ROBINIA hispida (Rose Acacia). 10 ft. Zone V. Large rosy flowers in May. Very tolerant. Showy.

2-3 ft.5 \$6.00, 100 \$95.00

SPIRAEA Anthony Waterer. 3 ft. Zone V Rose blooms, June to August.

*12-15 in.25 \$18.00, 100 \$65.00
18 in.\$1.50, 10 \$12.00, 100 \$95.00

macrothyrsa. 4 ft. Zone IV. Spikes of bright cameo pink all summer if kept cut. No pests. Sun or part shade.

2-3 ft.\$1.50 each, 2 \$2.85

multiflora (Snow Garland). 5 ft. Zone V. Large white sprays before the leaves in April. Better than *S. arguta*.

2-3 ft.\$1.75 each, 10 \$15.00
*12 in.25 \$5.00, 100 \$15.00

Van Houttei (Modern "Bridalwreath"). 6 ft. Zone IV. Familiar everywhere for the white May garlands.

*12-18 in.25 \$4.00, 100 \$12.00
2 ft.\$1.00, 10 \$6.50, 100 \$50.00

prunifolia (true Bridalwreath). 8 ft. Zone V. Double white, May.

*12-18 in. S25 \$5.00, 100 \$15.00
2 ft.\$1.50, 10 \$7.50, 100 \$60.00

ROSA (Shrub roses). Hardy, tolerant. Need sun. See page 39.

hugonis (Hugo Rose). 6 ft. Zone V. Yellow in April or early May. 1½-2 ft.\$2.00 each, 10 \$17.50

Max Graf. (See Page 42.)

Rouletti (Miniature Rose). Zone V. Very dwarf pink.

3 in. pot\$2.25, 5 \$10.00

rugosa. Red all summer. 6 ft. Zone II.

18-24 in.\$1.75 each, 10 \$12.50
*12-18 in. S25 \$7.50, 100 \$25.00

rugosa alba. White form.

18-24 in.\$3.00 each, 5 \$13.50

rubiginosa (Sweetbriar). Zone IV. Pink in June. Fragrant leaves. Suitable for natural effects.

1-2 ft.5 \$4.50 ppd., 100 \$45.00

Wichuriana. (Page 43.)

SYMPHORICARPOS racemosus (Snowberry). 5 ft. Zone III. Clay, lime. Useful for showy white berries in August. Good dwarf shrub.

*12-15 in. X25 \$7.50, 100 \$25.00
2 ft.\$1.25, 10 \$8.00, 100 \$70.00

vulgaris (Coralberry). 5 ft. Zone II. Berries red, hang late.

*12-15 in.25 \$4.00, 100 \$15.00
1½ ft.\$1.00, 10 \$6.50, 100 \$55.00

chenaulti. 8 ft. Zone III. Graceful. Rose-pink berries.

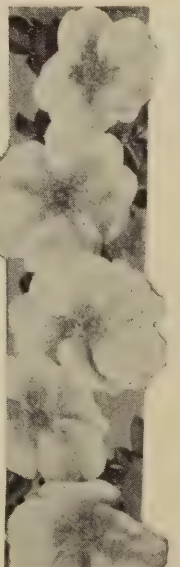
18-24 in. \$1.25, 10 \$7.50, 100 \$50.00
*12 in.10 ppd., \$3.00, 100 \$15.00

—**Hancock.** Prostrate form of above. Dense, neat mat.

18-24 in. \$1.50, 10 \$9.50, 100 \$75.00



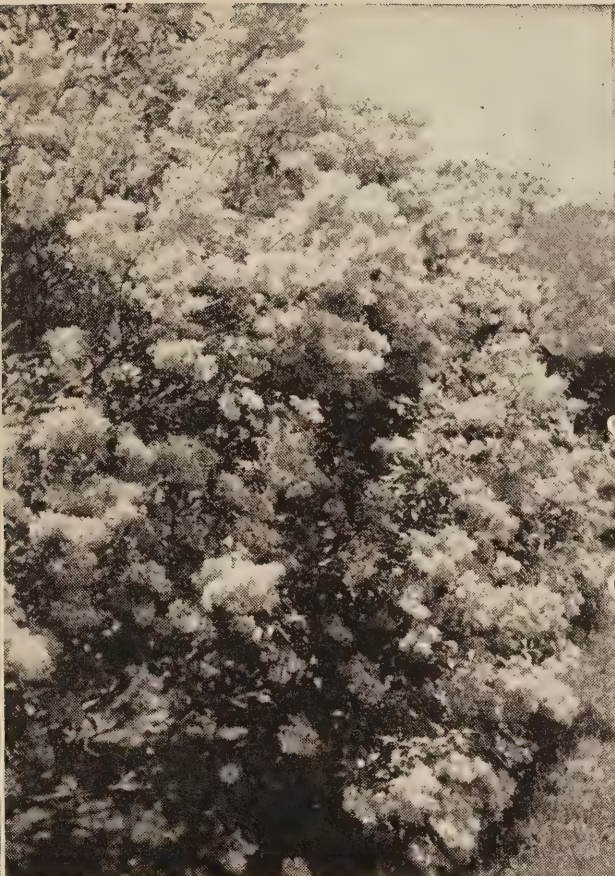
Spiraea Van Houttei



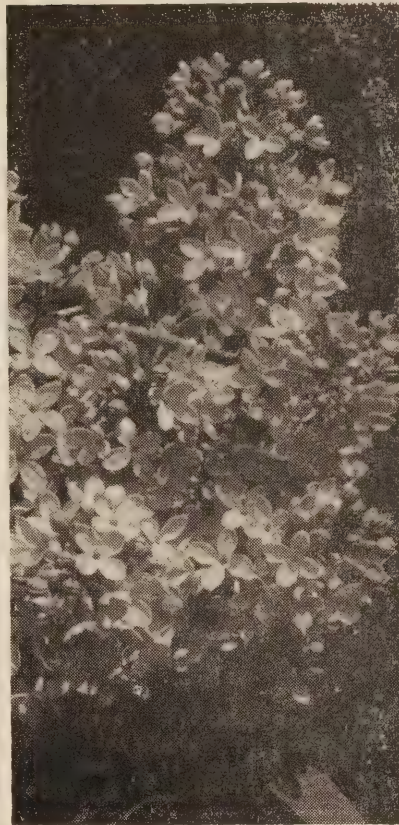
Rosa Hugonis

Philadelphus virginal

DECIDUOUS SHRUBS



Massed Lilacs in May



Double Hybrid Lilac



Single Hybrid Lilac

SYRINGA—the Lilacs

NAMED FRENCH LILACS

All tolerant, but need extra lime. All hardy in Zone III, fine for the north.

Huge fragrant trusses in many colors. Both "S" (Single) and "D" (Double) forms are charming. Ratings below are by experts—10.0 would be perfect. Color notes are mere indications. Any 5 below 18-24 inch for \$8.50—postpaid. (25 for \$30.00).

Ellen Wilmott (8.0)—D. White.

Ludwig Spaeh (7.8)—S. Purple.

Pascal (6.0)—S. Lilac. Early.

Chas. Joby (6.8) D. Wine Red.

Charles X (6.8) S. Lilac Reddish.

Pres. Grevy D. (6.9). Soft Blue.

Volcan—S. Darkest Ruby Red.

Adelaide Dunbar—D. Deep Red.

CLARKE'S GIANT (Pat.)

Largest known flowers — up to 12 inch clusters. Soft blue.
18-24 in. \$4.00 3-4 ft., \$6.00

chinensis ("Rothomagensis") (6.9) 12 ft. Zone V. Graceful; Lilac, May. Very faithful bloomer. Lime. Sun.

*12 in. X10 \$7.50, 100 \$60.00
2 ft.1.75, 10 \$12.50, 100 \$100.00

microphylla (Everblooming Lilac). 6 ft. Zone V. (7.3). Light lilac blooms in June and fall.

*10-15 in. X10 \$8.00, 100 \$65.00
1½ ft.2.25 each, 5 \$9.00
4-5 ft.3.75 each, 5 \$15.00

persica (Persian Lilac). 6 ft. Zone V. Pale purple, fragrant.

*12 in. S25 \$3.00, 100 \$9.00
2-3 ft.2 ppd.\$2.25, 100 \$60.00

vulgaris (Old-fashioned Lilac). 15 ft. Zone III. Spreads by suckers to huge clumps. Purple, May. Fragrant.

*12-15 in. S10 \$5.00, 100 \$18.00
1½ ft.1.10, 10 \$8.00, 100 \$60.00
2 ft.1.50, 10 \$12.00, 100 \$90.00

—**alba**. White form of above.

1½ ft.1.10, 10 \$9.00, 100 \$80.00
2-3 ft.1.50, 10 \$12.00, 100 \$100.00

villosa (Late Lilac) (6.2). 9 ft. Zone II Pale pink-lilac in June.

*12 in. S25 \$7.50, 100 \$25.00
2-3 ft.2.00 each, 10 \$15.00

TAMARIX—summer glow. 10 ft. Zone II. Red racemes. July-Aug.

1½-2 ft.\$2.00 each, 10 \$15.00

parviflora ("africana"). 9 ft. Zone IV. April flowers.

2-3 ft.\$1.50 each, 10 \$12.00

VIBURNUM. (Next Page.)

V I T E X macrophylla (Chaste tree). 6 ft. Zone V. Showy blue, July to frost. Sun, acid soil.

18-24 in.\$1.35 each, 3 \$3.50 ppd.

agnus castus. 9 ft. Zone VI. Violet, all summer.

2-3 ft.\$1.50 each, 10 \$12.00

WEIGELA rosea. 9 ft. Zone V. May. Pink. Drainage.

*12-18 in.25 \$5.00, 100 \$15.00
2-3 ft.1.35, 10 \$12.00, 100 \$90.00

—**Eva Rathke**. Dark red blooms in June, then sparsely to August.

2-3 ft.\$1.50, 10 \$13.50, 100 \$110.00

—**Vanicecki**. Bright red blooms. June to August and plenty of them. Splendid new variety.

*10-15 in. X25 \$12.00, 100 \$40.00
2-3 ft.1.75 each, 10 \$15.00

VIBURNUM

Shrub Aristocrat

Not only showy flower and fruit but perfect in leaf and branch too. Charming, tolerant.

American (see *V. trilobum*).

burkwoodi. 5 ft. Zone V. New hybrid, with fragrant pink blooms in May, borne young. Superior to *Carlesii* though similar. Half evergreen.

12-18 in. (light)25 \$25.00
18-24 in.\$3.50 each, 10 \$25.00
2-3 ft.\$4.50 each, 10 \$40.00

carlesii (Fragrant Viburnum). 5 ft. Zone IV. Delicious pink clusters in May. Drain; keep moist in summer. Sun, shelter. Fragrant, beautiful.

*8-12 in. S25 \$18.00, 100 \$60.00
*8-12 in. X 10 ppd. \$15.00, 25 \$20
18-24 in.\$2.95 each, 5 \$12.50

carlocephalum. Zone IV. 7 ft. huge white snowballs in May. New hybrid.

15-18 in.\$5.00 each, 3 \$14.00

dentatum (Arrow Wood). 12 ft. Zone II. Damp, shade. Cream. May.

*12-18 in.10 \$3.00, 100 \$15.00
3 ft\$2.00, 10 \$15.00, 100 \$120.00

dililatum (Linden Vib.). 9 ft. Zone V. Showy white, May. Red fruit all winter.

*12-18 in. S 10 ppd. \$6.00, 100 \$30
2-3 ft.\$2.00 each, 10 \$18.00

lantana (Wayfaring Tree). 15 ft. Zone III. Bold, striking, fall color. Fruits red, then black. Lime.

*6-12 in. S25 \$5.00, 100 \$18.00
2-3 ft.\$2.00 each, 10 \$15.00

lentago. 30 ft. Zone II. Handsome small tree or shrub. Showy big blue fruits October.

*12-18 in. S25 \$9.50, 100 \$30.00
2-3 ft.\$2.00 each, 10 \$15.00

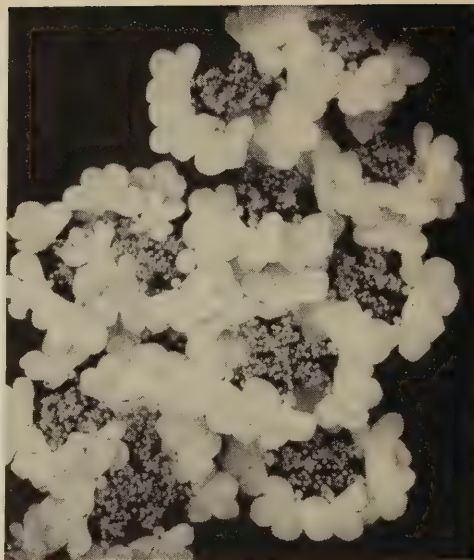
2 New Viburnums

Chenaulti. New Burkwoodi, more compact and shapely.
18-24 in.\$4.00 each, 10 \$30.00
*2 in. pot 10 ppd. \$9.00, 100 \$65

Juddi. New Carlesii, but larger flowers and healthier leaves.
15-18 in. BB \$7.00 each, 5 \$30
12-15 in. X \$4.80 each postpaid



Viburnum carlesii (right): *V. tomentosum*



macrocephalum sterile (Chinese Snowball). 12 ft. Zone VI. Larger, whiter blooms than Japanese.

12-15 in. BB \$6.00, each, 5 \$27.50

opulus (European Cranberry). 12 ft. Zone III. White, May. Fruit and leaf red in autumn. Strong bold effect. Very handsome.

2-3 ft.\$1.80 each, 10 \$15.00
*12-15 in. X10 \$6.50, 100 \$50.00

—**sterile** (Snowball). Bush like *Opulus*, but flowers much showier and no berries at all.

2-3 ft.\$1.75, 10 \$15.00, 100 \$120
*12-15 in. X10 \$6.00, 100 \$45.00

prunifolium (Blackhaw). 20 ft. Zone III. Showy white, May. Blue fruit all winter.

2 ft.\$1.75, 10 \$13.50, 100 \$95.00

theiferum. 12 ft. Zone V. Bright red autumn fruit.

*1 yr. S10 ppd. \$5.00, 100 \$25.00
2-3 ft.\$4.50 each, 10 \$40.00

—**auranticum.** Form of above with orange-yellow fruit.

*1 yr. graft\$2.75 ppd., 10 \$20.00

tomentosum (Doublefile Viburnum). 10 ft. Zone IV. Horizontal strings of snowy blooms in June.
*6-12 in. S25 \$9.00, 100 \$32.00
2-3 ft.\$2.75 each, 10 \$17.50

—**plicatum** (Japan Snowball). Form without fruit, but showier.
1½-2 ft.\$1.50 each, 10 \$14.00

trilobum (American High-bush Cranberry). 12 ft. Zone II. Bright berries all winter. Fall color.
*12-15 in. S25 \$8.00, 100 \$25.00
2 ft\$1.50, 10 \$14.00, 100 \$120.00

—**Wentworth.** Form of above, extra good cranberry jelly.
18-24 in.\$2.00 each, 10 \$15.00



EVERBLOOMING PILLAR ROSES

This new race is really revolutionary. A combination of HT's and ordinary climbers never before obtained. Beautiful large HT blooms all summer. Sub-zero hardiness. Bloom at ends of all stems the same year they grow. Red, Pink, apricot, yellow, white in various shades. Not yet named, sold only our selection of colors (one each color) 3 for \$10. 6 for \$20. If only one desired, price is \$4 each.

They grow sturdy like climbers, but not so high. May be kept cut back as giant bush form Hybrid Teas, or as specimen self-supported bushes 5 to 8 feet tall—something that only tropical gardens hitherto have been able to show.

★ NO MORE BLACK SPOT!

Absolute resistance to this dread disease has been bred into seven of these roses:



Pink Bouquet
Yellow Ruffels
Dolly Darling
Red Duchess
Pink Princess
Orange Ruffels
Lafter

One each — 7 kinds
\$13.00 postpaid

The Brownell Sub-Zero

ROSES

**\$1.95
each**

All types, except as noted
3 for \$5.50; \$19.00 per doz.
ALL PRICES POSTPAID

The result of more than a decade of research, this new race of roses adds to unusual hardiness a character of improving with age, rather than slowly deteriorating as most hybrid teas do. They are exceptionally easy to grow and bring into bloom. Disease-resistant, unusually hardy.

HARDINESS: About Zone IV, but roots will survive still colder climates and even if tops damaged, new growth will be ready to bloom by rose time. Tops protected by hilling or burlap seldom kill back. Any plant that fails to bloom in 2 yrs. replaced free in U. S. A.

New Class! Grandifloras

This class, like Floribundas but with vigor and blooms like Hybrid Teas, is now made to order to fit these favorite Brownell varieties:—

★ **Pink Princess.** Bud red, flower deep pink. Free from premature defoliation. Blooms all summer.

Anne Vanderbilt. Exquisite coppery orange, red, informal, semi-double, brilliant, fragrant. All summer.

★ **Laffer.** Sparkling orange and yellow, semi-double.

Lily Pons. Cream, large. Vigorous, free

Curly Pink. Clusters of large two-toned pink all summer. Vigor, health, and constancy.

★ **Red Duchess.** Robust sturdy large red. Outstanding fragrance. Grand new rose. Brilliant, attractive, free to flower. This fine new red has attracted instant friends wherever seen in the past year. All the color and size you could want but extra hardy!

★ **Dolly Darling.** Pink, sunset and rose blend. Extra vigor and health. New.

Queen o' the Lakes. Sensational large crimson. New.

4 Brownell Floribundas

Everblooming, hardy, bushy clumps.

☆ **Pink Bouquet.** Vigorous double pink. **Tomkins Red.** Semi-double, velvet red all summer.

★ **Orange Ruffels.** Sensational new color in roses. Glowing, soft luminous. Very steady bloomer all summer. Large flowers.

★ **Yellow Ruffels.** Similar, but a good non-fading yellow.

4 Brownell Creepers

For ground cover, on walls, on fences.

Coral Creeper. All the shades of ocean coral complementing other delightful rose tints. (June).

Little Compton Creeper. Deep rose-pink. Single. Clusters.

Red Creeping Everbloom. Crimson. All-summer creeper.

Magic Carpet. Large, double blooms, yellow and orange.

3 Brownell Climbers

Vigorous, extra hardy, vivid.

Elegance. Very large, perfect blooms. White with shaded yellow center. Grand show.

Golden Climber (Mrs. A. C. James). Best yellow climber. Fragrant, ideal for cutting.

Copper Glow. Deep coppery orange. Delightful spicy fragrance. Sensational color.

7 Best Brownell Hybrid Teas

Shades of Autumn. Showy red and yellow.

Tip Toes. Spicy fragrance. Orange and pink blend. New.

Dick Wilcox. Deep red, magnificent vigor and size. New.

V for Victory. Large, double, yellow, fragrant, profuse.

Country Doctor. Large, recurved silvery pink satin.

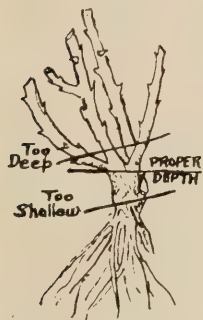
Sun Up. Rich, clear china-rose.

Cedric Adams. Scarlet and crimson, large and double.

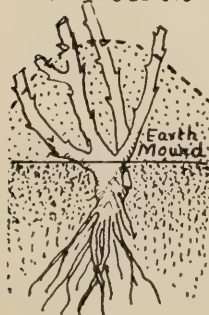


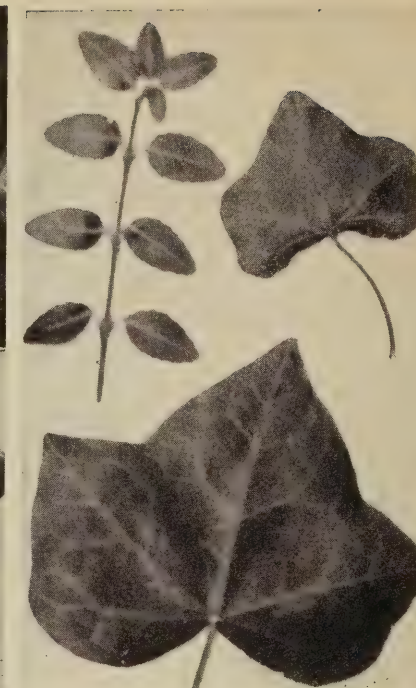
Everblooming pillars can be grown as climbers, or as large bushes.

Planting



Winter Protection





Wisteria
Blooms

1. Clematis Jackmani
3. Lonicera sempervirens

2. Campsis radicans
4. Celastrus scandens

Top: Euonymus radicans and Baltic Ivy.
Below: English Ivy.

ACTINIDIA arguta (Virgin's Bower). Tall climbing. Zone IV. Vigorous, dense leaves. White flowers, July. Free from disease. Sun or shade. Fruit 1 inch long, like figs, edible.
2 yr.\$3.25 ppd., 10 \$22.00

AKEBIA Quinata (Five-leaf Akebia). Zone V vine. Handsome purple bloom in May. Sun. Drain. Free of disease. Fast growing.
4 in. pot\$3.25 ppd., 5 for \$11.00

—**trifoliata**—Similar in every way, not quite so showy, but edible fruits.
2 year\$2.50 ppd., 6 for \$9.00

AMPELOPSIS brevipedunculata (heterophylla). Vigorous vine. Zone IV. Showy bright blue berries, Sept.-Oct. Called "Poreclain Ampelopsis." An excellent vine. Tolerant.
2 year\$3.25 ppd., 10 for \$20.00

—**quinquefolia**. (Parthenocissus).

—**tricuspidata**. (Parthenocissus).

ARCOSTAPHYLLOS. (Page 42.)

ARISTOLOCHIA durior (Sipho) (Dutchman's Pipe). Vine to 30 ft. Odd, large yellow and brown flowers in May. Large leaves. Vigorous. Tolerant. Zone IV.
2-yr. graft\$3.25 ppd., 5 \$11.00

BIGNONIA (now **Campsis**).

CAMPSIS radicans (Trumpet Vine). 60 ft. Vine. Zone V. Scarlet flowers, July to Sept. Prefers humus. Trained on a post, covers it quickly, and seems a small tree.
*12-in. S10 for \$3.00, 100 \$9.50
2-year\$1.00 each, 5 for \$4.50

—**Yellow Trumpet**. Beautiful color, hardy, outstanding, rare.
3 year\$3.50 ppd., 5 for \$12.50

—**Mme. Galen**. Orange and apricot. Gorgeous, showier. Hybrid.
2 year\$3.00 ppd., 5 for \$10.00

CELASTRUS scandens (American Bittersweet). 20 ft. Zone IV.
*12-in. S10 for \$2.75, 100 \$12.50
2 year\$1.50 each, 10 for \$9.50

Loesneri. 20 ft. Zone V. Red and yellow fruit. Most fruitful and showy of all bittersweets.
2 year\$2.50 each, 6 for \$12.00

Orbiculatus (Oriental Bittersweet). 30 ft. Vine. Zone V. Brilliant red and yellow fruit.
*12-in. S10 for \$2.75, 100 \$12.50
2 year\$1.50 each, 10 for \$9.50

CLEMATIS Hybrids. 8 ft. Zone V. Bloom July and August. Light loam, manure, drain. Sun.

—**ville de Lyon**. Velvet red.

—**henryi**. Showy white.

—**jackmani**. Popular rich violet.

2 year\$1.50 each

CLEMATIS paniculata (Sweet Autumn Clematis). 25 ft. Zone V. Woody and vigorous. Fragrant white, Sept.-Oct. Free from pests.
2 year\$1.50 each, 10 \$12.50

EUONYMUS fortunei radicans (Winter-creeper). 20 ft. Vine, self-climbing. Zone V. Evergreen. Dainty leaves.

3 year\$1.75 each, 10 for \$15.00
*10-12 in. X10 \$7.00, 100 \$55.00

—**coloratus**. Rosy-purple leaf.

*12 in. (pot)10 \$8.00, 100 \$50.00
3 year\$2.50 each, 10 \$15.00

—**carietri**. Glossy leaf.

2 year\$2.00 each, 10 \$12.00

—**kewensis**. Tiny dwarf.

*2¼ in. pot3 for \$4.50 ppd.

HEDERA helix (English Ivy). 60 ft. Vine. Zone (V). Evergreen. Self-clinging. Any soil.

3 in. pots\$1.50 each, 10 \$10.00
*2¼ in. pots 5 ppd. \$4.75, 100 \$35

—**h. baltica** (Baltic). Smaller leaf. Zone V.

3 in. pot\$1.25, 10 \$9.00, 100 \$72
*2 in. pot25 \$7.00, 100 \$21.00

HYDRANGEA petiolaris (Climbing Hydrangea). 35 ft. Vine. Zone III. Self-climbing. Handsome white in June.

2 year\$3.75 each, 5 for \$15.00

Symbols Used in This Guide

* = young, unformed. X = transplanted. S = seedlings. (Plants not marked: well shaped.)

Cling	Twine	Need Typing	o=fruit x=flower		Early	May	June	Summer	Autumn
..	x	..	Akebia*	.....	..	x	..	..	..
x	..	..	Ampelopsis*	.....	..	..	..	..	o
..	..	x	Aristolochia	.....	..	x	..	..	..
x	..	..	Bignonia*	.....	..	..	..	x	..
..	x	..	Celastrus*	.....	..	..	..	..	o
..	..	x	Clematis	.....	..	..	..	x	..
x	..	..	Euonymus	.....	..	..	..	..	o
x	..	..	Hedera*	.....	..	..	..	..	..
x	..	..	Hydrangea	.....	..	..	x	..	..
..	..	x	Jasminum	.....	x	x	..	..	..
..	x	..	Lonicera*	.....	..	..	x	x	..
x	..	..	Parthenocissus*	...	..	..	..	..	..
..	x	..	Polygonum	.....	..	..	..	..	x
..	..	x	Rose	.....	..	..	x	x	..
..	x	..	Vitis	.....	..	..	..	o	o
..	x	..	Wisteria*	.....	..	x	x	..	..

VINES

These plants are really shrubs that climb; plant just like shrubs (see Page 32). Evergreen kinds are treated like broadleaf evergreens (Page 7). Vines and plants for Ground Covers are on Page 42.

Their climbing habits vary: Some need tying, others will twine if supports are available, others cling or root to rough surfaces without support. All are tolerant, those marked * in table need no care at all.

JASMINUM nudiflorum (Winter Jasmine). 15 ft. Zone V. Bright yellow, Feb. to April. Tolerant.

*6-12 in. X ...5 for \$3.50, 100 \$35.00
18 in. X\$1.50 each, 5 for \$5.00

LONICERA heckrotti (Ever-blooming Honeysuckle). Dwarf vine. Zone V. Yellow and purple to Sept. Can be pruned as a shrub.

2 year\$1.75 each, 5 for \$6.00
*2-in. pot5 for \$3.00, 25 \$12.00

—**heckrotti goldflame**. Color yellow and red, very showy form.

2-yr. No. 1\$1.50 each, 10 \$10.00

henryi. Zone V. Truly evergreen. Yellow-orange in May, black berries in summer.

1-yr. No. 13 for \$5.50

japonica halliana (Japanese Honeysuckle). 20 ft. Zone V. Quick cover for walls or ground. Fragrant, yellow, June.

2-yr. No. 1 ...5 for \$2.00, 100 \$18.00

sempervirens (Trumpet Honeysuckle). 30 ft. Vine. Zone V. Semi-evergreen. Scarlet trumpets all summer long.

2 year 5 for \$6.50, 25 \$20.00

PACHYSANDRA. (See Page 43.)

POLYGONUM auberti (Silver Lace Vine). 25 ft. Zone V. Amazingly fast grower. Covered with white bloom September and October. Tolerant. Prune back to live wood each spring.

2 year\$1.50 each, 5 for \$5.00

PARTHENOCISSUS quinquefolia (Virginia Creeper). Vine. 30 ft. Zone V. Vigorous. Fall color.

*6 in. S10 for \$2.00, 100 \$10.00
2 year\$2.00, 10 \$7.50, 100 \$60.00

—**engelmanni** (Englemann Ivy). The same with smaller leaves.

2 year2 for \$2.50, 10 \$8.00

tricuspidata (Boston Ivy). Vine 40 ft. Zone V. The most popular. Self-clinging. Dense. Fall color.

2 year X \$1.50, 10 \$10.00, 100 \$85

—**tricuspidata lowi**. A neater, smaller leaf, denser growth. Very fine.

2 year\$3.00 each, 5 for \$13.00

ROSA. (Pages 36, 39 and 43.)

VINCA minor (Myrtle). Prostrate. Zone V. Evergreen ground cover with pretty violet-blue flowers in May. (See also page 42.)

Clumps25 for \$4.50, 100 \$13.00

—**alpina** (Mountain Periwinkle). Blue.

2 year X5 for \$3.00, 100 \$35.00

—**bowle's**. Neater growth, larger, bluer flowers all summer.

2 year X5 for \$3.00, 100 \$40.00
2 yr. pots25 for \$8.00, 100 \$30.00

—**alba** (White Vinca).

2 year X5 for \$3.00, 100 \$60.00

—**m. rubra** (Double Red).

2 year X5 for \$4.00, 100 \$45.00

VITIS (Grape). Handsome vines. Zone V. Excellent bird food, good autumn leaves. Wonderful jelly.

—**Aestivalis** (Summer Grape).

—**Rotundifolia** (Muscadine).

—**Cordifolia** (Frost Grape). Oct.

Prices on above grapes:
*1½-2 ft.5 for \$2.50, 100 \$15.00

WISTERIA floribunda (multi-juga). (Long-cluster Wisteria). 25 ft. Zone V. Fragrant purple long clusters, May and June. Humus, drain, sun.

2 year X\$1.95 each, 5 for \$7.50

—**praecox** (Issai). Dwarf, blue. Very young to bloom. Showy.

3 years\$6.00 each, 2 for \$11.00

—**alba**. Long white clusters.

3 year\$6.00 each, 2 for \$11.00

—**Rose Weeping**. Long, pink.

2 year\$3.50 each
3 year\$6.00 each, 2 for \$11.00

frutescens (American Wisteria) to 40 ft. Zone V. Lilac-purple, July and August. Showy.

2 yr. No. 15 for \$4.50 ppd.

sinensis (Chinese Wisteria). 30 ft. Zone V. Short, compact, violet in May. Fragrant. Sun, drain.

*1 year S10 for \$5.00, 100 \$20.00
2 year\$1.75 each, 10 for \$15.00

—**aiba** (White Chinese Wisteria). A good white form.

2 year\$4.50 each

A Permanent Lawn Ground-Cover—at last!

ZOYSIA

MEYER
Z-52



Plant This

Cut or scrape a small trench every 10 inches across your area. (Leave 5 inches space between runners in the row.) Plant root-runners, water frequently.

In six months you have a solid lawn, then stop watering for good. One bag does 500 sq. ft. Or economize: Plant a nursery area 20 x 25 ft. After 6 months cut the solid turf into 2-inch strips and plant the strips 8 inches apart. Thus you cover 3000 sq. ft. with one \$12 bag.



And Get This

Zoysia Meyer Z-52 makes a good lawn. Medium fine, very dense. You can be proud of one. Brown in winter, but green through summer drought.

It needs sun or very light shade. Resists drought beyond anything known in other neat lawns. Fine in hot south, but is hardy to Zone IV, although slower growing there. (Best plant only 6 inches apart in Zone IV.)

Kills out crab-grass in open competition. Tolerant of poor soil — fine for seashore lawns. Disease and insect free. Toughest turf known; trampling does no harm. 100% guarantee to grow the first year.

Best planted in warm weather, May, June or even July.

Price, postpaid and guaranteed per bag of about 400 linear feet \$12. (10 bags or more, 10% discount.)

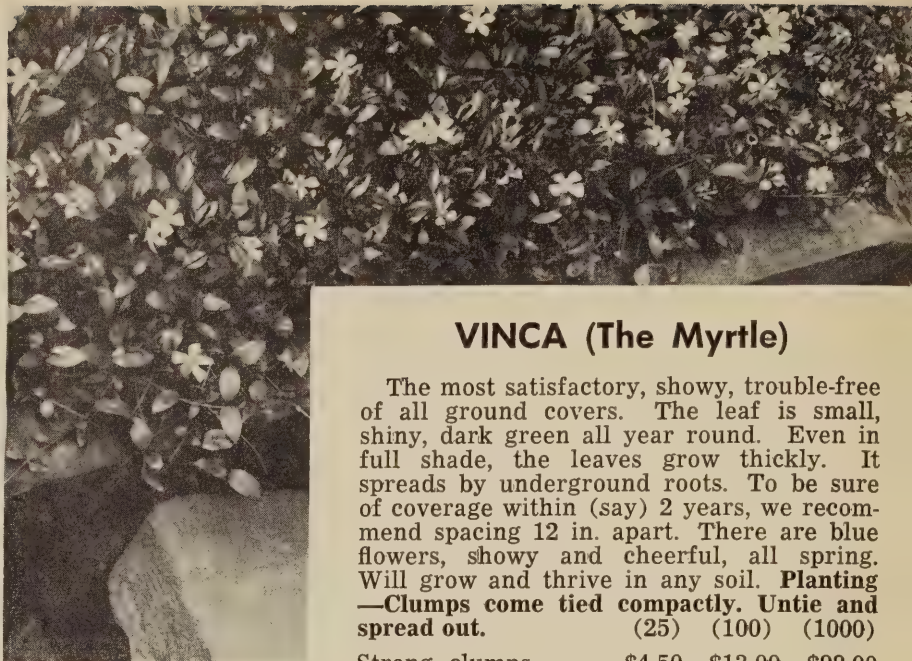


Photo: Vinca Minor

VINCA (The Myrtle)

The most satisfactory, showy, trouble-free of all ground covers. The leaf is small, shiny, dark green all year round. Even in full shade, the leaves grow thickly. It spreads by underground roots. To be sure of coverage within (say) 2 years, we recommend spacing 12 in. apart. There are blue flowers, showy and cheerful, all spring. Will grow and thrive in any soil. **Planting** —Clumps come tied compactly. Untie and spread out.

	(25)	(100)	(1000)
Strong clumps	\$4.50	\$13.00	\$98.00

BOWLES (Improved) VINCA

2 year pots	8.00	30.00	260.00
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RARE EVERGREEN GROUND COVERS

	(10)	(25)	(100)
HARDY GALAX (<i>Galax aphylla</i>)—Huge bronze and green leaves. Moist shade.			

Clumps with ball	4.50	8.00	25.00
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TRAILING ARBUTUS (*Epigaea repens*)—Waxy pink, May. Zone II, acid soil, semi-shade.

Balled clumps	6.00	10.00	30.00
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OCONEE BELLS (*Shortia glaucifolia*)—Rarest of all. Zone V.

Clumps	6.00	10.00	30.00
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BEARBERRY (*Arctostaphylos uva-ursi*)—Low matting evergreen. Best cover for sandy banks—succeeds even on sea-shore. Sun, drain.

Pot-grown	9.50	20.00	75.00
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WINTERGREEN (*Gaultheria procumbens*)—Small neat mat of evergreen in baking sun.

Balled clumps	4.50	8.00	25.00
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MOTTLED WILDGINGER (*Asarum shuttleworthi*)—Large round evergreen leaves, shade or sun.

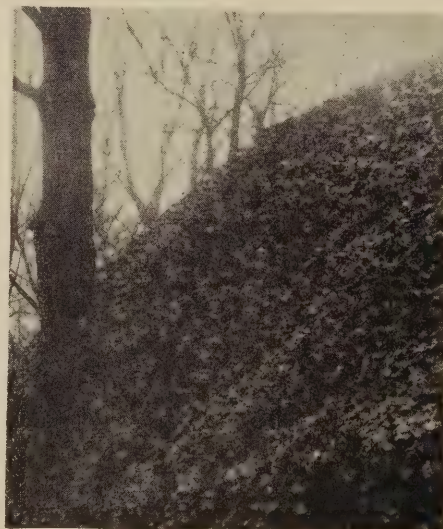
Strong clumps with ball	6.00	10.00	30.00
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ROSE MAX GRAF—Very low, trailing, pink flowers, showy.

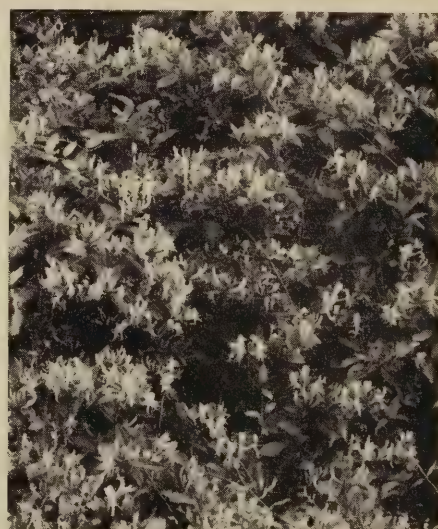
2 year No. 1	15.00	35.00	120.00
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DWARF CRESTED IRIS (*Cristata*)—Blue in May. Sun or shade.

Clumps with ball	3.00	6.00	20.00
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Baltic Ivy



Honeysuckle

Plants that cover ground
where grass will not thrive are

LIVING
CARPETS

Prevent Erosion on
Steep Banks

Steep slopes can be put into grass and mowed. But it is constant work and worry. The following plants do the job better. There are almost no maintenance problems.

Eventually one plant will cover a large area, but on banks it is important to get the soil held quickly. We suggest bad steeps be planted 10 inches apart each way — gentler slopes 1 foot, except as noted on descriptions.

	(25)	(100)	(1000)
PACHYSANDRA terminalis —Tolerant in poor soil and shade. Set 3 to each sq. ft. Zone V.			
Rooted cuttings		\$9.50	\$ 85.00
Asst. field-grown	4.00	13.50	100.00
ROSE wichuriana (Memorial Rose) —Branches grow quickly, droop and root. Thicket effect. Best in sun. Zone IV. Space 2 ft. apart.			
2-year field grown X	18.50	60.00	500.00
1-year (8 to 12 in. S)	4.00	14.00	120.00
HEDERA baltica (Hardy English Ivy) —Fine ground cover for steep slopes in shade or sun. Does not climb readily. Zone V. Space 1½ ft. apart.			
2-in. pots	7.00	21.00	190.00
3-in. pots	20.00	75.00	
LONICERA japonica (Honeysuckle) —Sun or shade. Any soil.			
1-yr. light		8.00	55.00
2-yr. No. 1	6.50	18.00	140.00
THYMUS SERPYLLUM (Creeping Thyme) —A mat in sun or light shade that blankets the ground. Evergreen. Can be walked on. Zone III. Set 12 in. apart. Well drained soil.			
Sturdy plants	8.50	30.00	250.00
PUERARIA thumbergiana (Kudzu) —Very fast, handsome, but coarse grower. Holds banks in poor soil, enriches soil nitrogen. Zone VI.			
2-yr. (No. 1 Crowns)	4.50	14.00	80.00
HELIANTHEMUM (Sun-rose) —Is best for steep, dry banks in sun.			
2 yr.	8.50	30.00	

FERNS fine ground covers
in the shade

3 of one kind \$1.75 (postpaid)
12 of one kind \$4.75 (postpaid)
100 for \$25.00 (express)

LEATHER WOODFERN (Lryopteris marginalis). Tolerant, deep shade. Evergreen leaves 30 inches.

TOOTHED WOODFERN (D. spinulosa). Evergreen ground cover. Shade, moist, low.

CINNAMONFERN (Osmunda). 60 in. Any moist soil.

CHRISTMASFERN. 12 in. Dry shade. Evergreen.

CLIFF-FERN (Polypody). 6 in. Evergreen, drain.

EBONY SPLEENWORT (Asplenium). 6 in. evergreen. Semi-shade.

HAYSCENTED FERN (Dunnstaedtia). 18 in. Tolerant.

MAIDENHAIR (Adiantum). Rich, moist, but drained soil. Easily grown. Showy and popular.

LADYFERN (Athyrium). 15 in. Shade. Very attractive.

OSTRICH FERN (Pteretis nodulosa). 36 in. Very tolerant. This makes a delicious, nutritious asparagus substitute. Cut in "fiddle-head" stage, wash well, boil 30 minutes.



Pachysandra



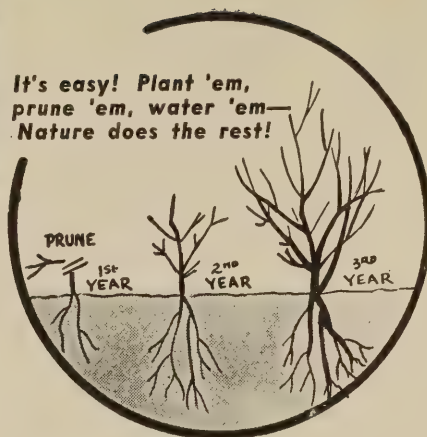
Ferns

YOUNG SHRUBS

for screen and line planting

They grow quickly and are easily planted now, when small. Descriptions begin on page 33.

It's easy! Plant 'em,
prune 'em, water 'em—
Nature does the rest!



(25) (100) (1000)

AMELANCHIER (Shadblow)

canadensis Donwy Shadblow)

12 to 18 in. \$5.00 \$16.00 \$120.00

BENZON (Lindera) (Spice-bush)

12 to 18 in. S 5.00 16.00 95.00

CORNUS alternifolia (Pagoda Dogwood)

12 to 18 in. S 4.00 12.00 —

CYDONIA (Quince)

Japonica (Flowering Quince)

12 to 18 in. S 4.50 13.50 80.00

CYTISUS scoparius (Broom)

12 to 15 in. S 5.00 16.00 95.00

18 to 24 in. X 8.00 30.00 200.00

ELEAGNUS (Russian Olive)

12 to 18 in. S 3.00 9.00 65.00

EUONYMUS alatus

9 to 12 in. X 12.50 45.00 350.00

EXOCHORDA racemosa (Pearl-bush)

12 to 18 in. S 5.00 16.00 95.00

FORSYTHIA intermedia and Fortunei

12 to 18 in. S 3.50 9.50 55.00

2 to 3 ft. X 10.00 35.00 250.00

—spectabilis (new variety)

12 to 18 in. 4.00 12.00 75.00

2 to 3 ft. X 12.00 40.00 300.00

—suspensa (weeping forsythia)

12 to 18 in. 5.50 18.00 145.00

HAMAMELIS vernalis (Witch-hazel)

6 to 10 in. S 8.50 30.00 —

—virginiana (Fall Witch-hazel)

12 to 18 in. S 5.00 15.00 110.00

HYDRANGEA PeeGee (white to pink, Aug.)

12 to 18 in. 6.50 22.00 160.00

2 to 3 ft. X 12.00 40.00 350.00

ILEX verticillata (Winterberry)

12 to 18 in. 5.00 15.00 100.00

MACLURA (Osage Orange)

18 to 24 in. 2.50 7.50 55.00

(25) (100) (1000)

LONICERA (Honeysuckle)

—Morrowi, Tatarica, also Korolkowi

12 to 18 in. S 4.00 12.00 60.00

2 to 3 ft. X 12.50 45.00 300.00

—fragrantissima

12 to 18 in. S 5.00 15.00 90.00

PHILADELPHUS coronarius (Syringa)

—grandiflorus. Same price

12 to 18 in. S 4.50 15.00 90.00

3 to 4 ft. X 17.00 60.00 400.00

—virginal (double fragrant)

8 to 12 in. 8.50 30.00 —

RHAMNUS cathartica (Buckthorn)

12 to 18 in. S 5.50 18.50 135.00

SPIRAEA Anthony Waterer

12 to 15 in. X 18.00 65.00 —

6 to 9 in. X 12.00 45.00 350.00

—Van Houttei (Modern Bridalwreath)

12 to 18 in. S 4.00 12.00 75.00

2 to 3 ft. X 15.00 50.00 400.00

—prunifolia (True Bridalwreath)

12 to 18 in. S 5.00 15.00 120.00

1½ to 2 ft. X 15.00 50.00 400.00

SYMPHORICARPOS

—racemosus (snowberry)

12 to 15 in. X 7.00 25.00 —

SYRINGA (Lilac) common purple

12 to 18 in. S 5.00 18.00 150.00

12 to 18 in. X 10.00 35.00 300.00

—Persian Lilac

12 to 18 in. 8.00 25.00 195.00

VIBURNUM American (Amer. Cranberry)

12 to 15 in. S 8.00 25.00 190.00

—Carlesii May Viburnum)

8 to 12 in. S 18.00 60.00 500.00

—Lantana

6 to 12 in. S 5.00 18.00 140.00

—opulus (Europe Cranberry)

6 to 9 in. S 6.00 18.00 150.00

12 to 18 in. X 12.00 40.00 —

—tomentosa

6 to 12 in. 9.00 32.00 200.00

13 to 24 in. X 25.00 95.00 —

WEIGELIA rosea (pink)

12 to 18 in. S 5.00 15.00 90.00

2 to 3 ft. X 13.50 50.00 400.00

—Vaniceck (New red)

15 to 18 in. X 13.00 45.00 350.00

Screens and

Barberry Hedge

2 to 4 feet high. Space 1 foot apart in single row.

(25) (100) (1000)

BERBERIS Thunbergii (Japanese Barberry)

6 to 12 in. S 4.00 12.00 90.00

12 to 15 in. S 5.00 18.00 120.00

12 to 15 in. X 12.00 40.00 350.00

B. thunbergii Atropurpurea

12 to 15 in. S 10.00 30.00 220.00

12 to 15 in. X 25.00 85.00 750.00

Privet Hedges

4 to 8 feet high. Space 1 foot apart in 2 rows, staggered, 6 inches between rows. (100 plants do 50 feet of hedge)

LIGISTRUM (Privet)

—amurensis (Amur Privet—"North")

12 to 18 in. (2 Br.) 3.50 10.00 70.00

1½ to 2 ft. 3 Br.) 6.50 20.00 160.00

3 to 4 ft. 4 Br.) ... 9.00 30.00 250.00

—ibolium (Hybrid Privet)

12 to 18 in. 2 Br.) .. 3.50 10.00 70.00

1½ to 2 ft. (3 Br.) .. 6.50 20.00 160.00

3 to 4 ft. 4 Br.) 9.00 30.00 250.00

—ovalifolium (California Privet)

12 to 18 in. 2 Br.) .. 3.50 10.00 70.00

2 to 3 ft. 4 Br.) 6.50 20.00 160.00

Rose "Fence"

ROSA MULTIFLORA

No repairs, no maintenance problems, it just grows. No animals can get through yet birds and small game can use it for refuge. It does not get out of hand kept 5 feet high, width 8 feet. (Not for small gardens.)

Plant a single row, 1 foot apart. Cut back roots to 8 inches, tops to 3 or 4 inches on planting. Mulching is very beneficial—leaves, hay, sawdust or what ever you have. Effective in three or four years, mature in six.

(100) (1000)

9 to 12 in. S \$6.00 \$55.00

18 to 24 in. S 10.00 85.00

Dwarf Box Edging

True "old English" Boxwood. In time makes a full shrub, but spaced 6 inches can be trimmed to a low narrow edging that stays for 20 years or more. Small and neat. For edging flower beds.

(10) (100) (1000)

*1 year X \$22.00 \$195.00

4 to 6 in. X \$7.50 60.00 480.00

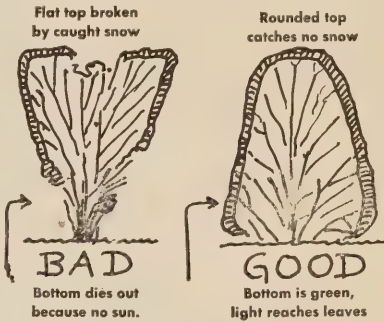
Hedges, that Shelter and Protect are

LIVING FENCES



Many plants can be made into hedges, including Privets and barberry (priced on page 12) but Hemlock and Yew are far the best of all. The XX sizes of hemlock can be put in hedge row — smaller should be bedded two years first.

PRUNING HEDGES



HEMLOCK HEDGE properly sheared gives a fine, even, smooth dark green surface unlike any other hedge. Thrives in soils ranging from ordinary to damp, and from full sun to full shade. Set plants 1½ feet apart.

	(25)	(100)	(1000)
8 to 12 in. S	\$4.00	\$ 12.00	\$ 85.00
4 to 6 in. X	7.00	24.00	200.00
9 to 12 in. XX ...	13.50	50.00	450.00
12 to 15 in. XX ...	18.00	70.00	650.00
15 to 18 in. XX ...	35.00	130.00	.....

The Five Best Yew Hedges

	(10)	(25)	(100)
TALL HEDGE , 5 to 8 ft. high, 3 to 4 ft. wide <i>Taxus capitata</i> (upright Yew)			
12 to 15 in. XX	\$20.00	\$45.00	\$175.00
BROAD HEDGE , 2 to 4 ft. high, 2 to 4 ft. wide <i>Taxus cuspidata</i> (Spreading Yew)			
12 to 15 in. XX	19.00	45.00	160.00
8 to 12 in. XX	16.00	35.00	120.00
LOW EDGING , 1 to 3 ft. high, 1 to 3 ft. wide <i>Taxus nana brevifolia</i> (Dwarf Yew)			
9 to 12 in. XX	18.00	40.00	130.00
NARROW TALL , 4 to 6 ft. high, 1½ ft. wide <i>Taxus Hicks</i> .			
12 to 15 in. XX	20.00	40.00	150.00
9 to 12 in. XX	16.00	35.00	120.00
EXTRA BUSHY , 6 ft. high, 2 ft. wide <i>Taxus vermeulen</i> .			
9 to 12 in. XX	18.00	35.00	130.00

For any and every purpose in which Evergreens are required the Yew can be recommended. Hardy in New England and Ontario, immune to most diseases and pests. Accommodating to an extraordinary degree, withstanding shade or full sunshine.

Hedges Must Grow. An inch a year is enough—more if desired. When a hedge is too large, prune severely and then let soft new growth come back. Fertilize. You have to prune all the more, but you have a nice hedge!

Experts agree that perfect hedges should be started from one to two feet high.



The Upright Yew Hedge grew from the planting at left in 8 years.

Roads and Driveways Planted Cheaply



The special size below costs much less than larger specimen trees, but also can be planted with little more than a tenth the time and labor. Yet the planting when finished is large enough to show readily, and avoids some of the waiting of real "baby" sizes offered on the next page.

A hole a foot deep and wide will be ample in most cases. Note the pruning of the tree to a single stick. This should be done on planting.



BARGAINS IN LARGER YOUNG TREES

Those who want quick results yet not have to pay for full specimens can here select from the best kinds of trees at enormous savings. We offer nice, well-rooted, transplanted stock between 4 and 8 feet high. They are young and transplant more easily and grow more vigorously than older stock. Yet you save 2 to 4 years over small seedling sizes at little extra cost. Packing included if cash accompanies your order. 5 of one kind at 10 rate, 50 at 100 rate.

	(10)	(100)
ACER (Maple)		
Rubrum (Red Maple).....	4 to 6 ft. \$15.00	\$125.00
	6 to 8 ft. 22.00	180.00
saccharum (Sugar)	4 to 6 ft. 15.00	135.00
	6 to 8 ft. 22.00	180.00
platanoides (Norway)	4 to 5 ft. 12.50	100.00
BETULA alba		
(White Birch)	4 to 5 ft. 22.00	180.00
populifolia (Gray)	4 to 5 ft. 18.00	150.00
papyrifera (paper)	4 to 5 ft. 18.00	150.00
CERCIS canadensis		
(Redbud)	4 to 5 ft. 20.00	150.00
CLADRASTIS		
(Yellow-wood)	4 to 6 ft. 40.00	350.00
CORNUS florida		
(dogwood)	4 to 5 ft. 30.00	250.00
FRAXINUS (ash)		
(Americana)	4 to 5 ft. 13.50	120.00
HICORIA		
(Shagbark Hickory)	4 to 5 ft. 20.00	150.00
MORUS alba		
(Mulberry)	4 to 5 ft. 12.00	95.00
LIQUIDAMBAR		
(Sweet Gum)	4 to 5 ft. 18.00	150.00
LIRODENDRON (Tulip)	4 to 5 ft. 18.00	135.00

OXYDENDRON		
(Sour-wood)	4 to 5 ft. 17.50	125.00
PLATANUS		
(American Sycamore)	4 to 5 ft. 12.50	95.00
	6 to 8 ft. 22.50	175.00
	8 to 10 ft. 30.00	250.00
POPLAR, Lombardy	5 to 6 ft. 8.50	65.00
Bolleana	4 to 5 ft. 15.00	125.00
QUERCUS (Oak)		
Coccinea (Scarlet Oak)	4 to 6 ft. 25.00	180.00
Palustris (Pin Oak)	4 to 5 ft. 30.00	250.00
Borealis (rubra)		
(Red Oak)	4 to 5 ft. 25.00	180.00
SALIX (Willow)		
Babylonica (Weeping)	4 to 5 ft. 12.50	110.00
Wisconsin		
(Hardy Wpg.)	4 to 5 ft. 12.50	110.00
Golden Weeping		
(Niobe)	4 to 5 ft. 12.50	110.00
SORBUS (Mountain Ash)	4 to 5 ft. 20.00	190.00
TILIA		
(American Linden)	4 to 5 ft. 18.00	145.00
ULMUS (American Elm)	5 to 6 ft. 18.00	150.00
pumilia (Siberian)	4 to 5 ft. 15.00	130.00

TREES

at special

Quantity Prices

These need pruning back upon planting. To keep a single stem: prune out all side twigs when planting, and then a month later go over the planting and again cut away all but one single stem.

ACER (Maple)

dasycarpum (Silver Maple)	(25)	(100)	(1000)
*12 to 18 in.	\$6.00	\$35.00	
*2 to 3 ft.	\$3.50	10.00	65.00

rubrum (Red Maple)

*18 to 24 in.	4.50	15.00	95.00
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saccharum (Sugar Maple)

*12 to 18 in.	12.50	85.00	
*2 to 3 ft.	15.00	50.00	400.00

BETULA (Birch)

populifolia (Gray Birch)

18 to 24 in.	6.00	18.00	120.00
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papyrifera (Paper Birch)

*12 to 18 in.	12.50	100.00	
*2 to 3 ft.	8.00	25.00	180.00

CERCIS (Red Bud)

*12 to 18 in.	9.00	50.00	
*2 to 3 ft.	4.00	12.00	95.00

CORNUS (Flowering Dogwood)

florida (White Flowering Dogwood)	(25)	(100)	(1000)
*12 to 18 in. S	4.00	12.00	95.00
2 to 3 ft. X	35.00	125.00	

FRAXINUS (American Ash)

12 to 18 in. S	2.50	6.00	45.00
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FAGUS (Beech)

ferruginea (American Beech)			
*12 to 18 in.	4.00	12.50	90.00

HICORIA (Hickory)

ovata (Shagbark Hickory)

*12 to 18 in. S	7.00	20.00	150.00
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JUGLANS (Walnut)

nigra (Black Walnut)			
*12 to 18 in. S	3.50	10.00	70.00

LIQUIDAMBAR (Sweet Gum)

*12 to 18 in. S	5.00	15.00	95.00
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PLANTING YOUNG TREES and SHRUBS SAFELY

PLANTING—The first thing is to keep the package moist. Only when the planting bed is ready do you open it, and even then remove only one plant at a time from its wrapping to plant it. This is particularly important with evergreens, but good sense with all plants. The quicker the better — twenty seconds per plant is average.

SOIL should be loose and friable, and absolutely must contain some humus. Add peat moss if necessary.

SHADE must be provided for newly planted young evergreens. Usually only for the first summer, but very young ones need it for two. Deciduous trees, shrubs, vines need none.

WATER is usually critical the first week or two. Soak thoroughly when planting. Then again the next day. After that not oftener than twice a week. But you can spray the leaves a few seconds at a time if the weather turns hot.

PRUNING is usually essential. Prune freely. Never cut a new plant to the ground, but to a 2 or 3-inch stub is all right. Don't fear to "lose" so much top — in a year you'll get it back — and more, and bushier — than if you didn't prune. (Upright growing evergreens, of course, must never have their tops cut — you trim the sides.)

LIRIODENDRON (Tulip Tree)

tulipifera	(25)	(100)	(1000)
12 to 18 in.	5.00	40.00	
4 to 5 ft. X	27.00	95.00	

MORUS (Mulberry)

alba (Russian Mulberry)			
*12 to 18 in.	6.00	40.00	
*1¼ to 2 ft.	3.00	9.00	95.00

PLATANUS (Sycamore)

occidentalis			
*12 to 18 in.	3.00	9.00	50.00

PHELLODENDRON

Amurense (Cork-tree)

12 to 18 S	9.00	30.00	250.00
18 to 24 in.	12.00	35.00	300.00

POPULUS (Poplar)

nigra italica (Lombardy Poplar)			
*18 to 24 in.	3.00	9.00	50.00
*3 to 4 ft.	5.00	15.00	100.00

QUERCUS (Oak)

alba (White Oak)			
*12 to 18 in. S	5.00	15.00	120.00

Palustris (Pin Oak)

2 to 3 ft. S	12.00	38.00	300.00
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rubra (Red Oak, Northern)

*12 to 18 in. S	6.00	20.00	180.00
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ROBINIA (Locust)

pseudacacia (Black Locust)			
*12 to 18 in. ...	5.50	40.00	
3 to 4 ft.	6.00	15.00	120.00

SALIX (Willow)—any one kind babylonica (green weeping)

Niobe (Golden Weeping)			
*18 to 24 in. ...	7.50	25.00	200.00

SOPHORA

Japonica (Pagoda-tree)			
6 to 12 in. S	10.00	25.00	300.00

SORBUS (Mountain Ash)

aucuparia (European Mt. Ash)			
12 to 18 in.	6.50	22.00	190.00

TILIA (American Linden)

*2 to 3 ft. X	25.00	85.00	
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ULMUS (Elm)

americana (American Elm)			
*2 to 3 ft.	3.00	9.00	70.00

pumila (Chinese or Siberian Elm)			
*2 to 3 ft.	4.00	10.00	80.00

(More Complete Listings)
on Pages 16 to 22.

Popular varieties of YOUNG

Planting young evergreens is quick and easy. See instructions on the previous page. Results (in sizes offered) are almost as good as larger evergreens with a ball of earth.

50 of one kind at 100 rate
300 of one kind at 1000 rate



"S" EVERGREEN SEEDLINGS

Should be planted about four inches apart in beds, shaded by a lath screen

"X"—TRANSPLANTS

Evergreens that have been moved, or root-pruned, form compact fibrous roots. Need less shade.

Photos: Spruce seedling and transplants. Note the much larger roots at right — twice transplanted.

Bargains in LARGER YOUNG EVERGREENS

"XX" Twice transplanted, 5 to 7 years old, practically landscape specimens, except not balled. So express is little, about 10% extra on arrival. Roots in damp moss, safe, easy planting. Real bargain these days, when B&B evergreens cost 50% extra for express! For culture see page 5, item "C".



ROOTS are the important part of a small evergreen. You can't see them, looking at the plants growing. But you can specify "twice transplanted."

		(10)	(25)	(100)	(1000)
ABIES (Douglas Fir)	9 to 12 inch	\$	\$18.00	\$65.00	
—Concolor Fir	9 to 12 inch	12.00	25.00	95.00	
JUNIPER (Andorra)	12 to 15 inch	16.00	25.00	85.00	650.00
—Pfitzer Juniper	12 to 15 inch	18.00	35.00	125.00	950.00
—Sabina (Savin)	12 to 15 inch	18.00	35.00	120.00	950.00
—Hetz Juniper	12 to 15 inch	18.00	40.00	125.00	950.00
—Virginiana (Cedar)	12 to 18 inch		18.00	65.00	500.00
	2 to 3 feet		30.00	110.00	900.00
PICEA (Black Hills)	12 to 15 inch	12.00	25.00	80.00	650.00
	18 to 24 inch	15.00	30.00	120.00	
—Excelsa (Norway)	12 to 15 inch	12.00	25.00	85.00	700.00
—glauca (White Spruce)	12 to 15 inch		18.00	65.00	
—pungens (Blue Spruce)	7 to 12 inch		40.00	150.00	
PINUS					
—Mugho Dwarf Pine	6 to 18 inch		25.00	80.00	650.00
—thunbergi (Jap Black)	10 to 15 inch	22.00	45.00	175.00	
—resinosa (Red)	10 to 14 inch		20.00	75.00	
—sylvestris (Scots)	12 to 18 inch		20.00	75.00	
—ponderosa (Bull)	12 to 18 inch		18.00	60.00	450.00
THUJA occidentalis					
(Arborvitae)	12 to 15 inch	10.00	18.00	65.00	
	18 to 24 inch	15.00	30.00	95.00	850.00
—occident. Pyramidal	12 to 15 inch	12.00	25.00	95.00	750.00
	18 to 24 inch	20.00	45.00	150.00	

TAXUS and TSUGA (See XX Stock on page 45.)

EVERGREENS *at special* QUANTITY PRICES

SMALL trees, cheap to buy and plant, can be handled in large quantities by the average landowner. Those who wish merely to reforest can obtain from forest nurseries (state owned) very low prices indeed—for lower than the same could be produced by us on a commercial basis and figuring in all costs, including taxes. Lumber values will never again fall to the low levels of 20 years ago. There is a reasonably sure profit. There are certain restrictions on the use of your land if you use these

government trees.

But not only for profit do men plant trees. There is fun and beauty in them—and health. An empty acre produces nothing; a planted one is handsome, fun to watch as the trees grow, and carries the comforting thought that you are doing something useful for your country as well as your pocketbook. Moreover, there are no restrictions as to what kinds you shall plant, nor what you shall use our trees for.

ABIES (Fir) (25) (100) (1000)
balsamea (Balsam Fir). For wet land. Best for Christmas trees.

4 to 6 in. S	\$3.00	\$9.00	\$70.00
6 to 9 in. X	6.00	20.00	180.00

Concolor (Silver Fir).

2 to 4 in. X	7.00	20.00	150.00
9 to 12 in. X	25.00	95.00	

Douglas Fir. (Pseudotsuga).

4 to 6 in. X	5.00	18.00	150.00
8 to 12 in. X	9.00	35.00	280.00
9 to 12 in. XX	18.00	65.00	

CHAMAECYPARIS (Cypress).
plumosa (Plumed Cypress).

6 to 8 in. X	15.00	50.00
10 to 12 in. X	20.00	70.00 650.00

plumosa aurea (Golden Plume).

10 to 12 in. X	20.00	70.00
15 to 18 in. X	25.00	90.00

JUNIPERUS (Junipers).

depressa plumosa (Andorra Juniper).

6 to 8 in. X	12.50	50.00
12 to 15 in. XX	25.00	

pfitzeriana (Pfitzer's Juniper).

4 to 6 in. X	10.00	40.00 300.00
12 to 15 in. XX	35.00	125.00 950.00

virginiana (Red Cedar).

6 to 8 in. X	7.50	25.00 180.00
12 to 18 in. XX	18.00	65.00 500.00

LARIX (Larch) European Larch.

	(25)	(100)	(1000)
8 to 12 in. X	9.50	35.00	
12 to 15 in. X	15.00	55.00	

PINUS (Pine).

mughus (Mugho Pine).

2 yr. 4 in. X	6.00	20.00	195.00
4 to 6 in. XX	12.00	40.00	300.00

nigra (Austrian Pine).

4 to 6 in. X	4.50	15.00	110.00
9 to 12 in. X	7.00	25.00	
18 to 24 in. X	10.00	35.00	200.00

ponderosa (Western Yellow).

4 to 6 in. X	4.50	15.00	130.00
8 to 12 in. X	7.00	25.00	200.00
12 to 15 in. XX	20.00	70.00	

resinosa (Norway Red Pine).

4 to 6 in. X	20.00	125.00
7 to 12 in. X	9.50	25.00 175.00

sylvestris (Scotch Pine).

3 to 6 in. S	6.00	50.00
6 to 9 in. X	4.50	15.00 120.00
12 to 18 in. X	10.00	35.00
12 to 18 in. XX	20.00	75.00

TAXUS (Yew). See pages 20, 45).

TSUGA (Hemlock). Pages 21, 45.

PICEA (Spruce).

	(25)	(100)	(1000)
glauca alba (White Spruce).			
6 to 9 in. X	6.50	20.00	175.00
12 to 15 in. XX	18.00	65.00	

glauca densata (Black Hills).

2 to 4 in. X	4.00	13.50	110.00
6 to 9 in. X	6.00	20.00	175.00
12 to 15 in. XX	25.00	80.00	650.00

excelsa (Norway Spruce).

4 to 6 in. X	4.00	13.50	110.00
6 to 9 in. X	7.00	20.00	175.00
12 to 15 in. XX	25.00	85.00	700.00

pungens (Colorado Spruce), color from blue to green.

3 yr. S.	10.50	90.00
4 to 6 in. X	6.00	20.00 190.00
6 to 9 in. X	12.00	40.00 295.00

THUJA (Arborvitae)

occidentalis (American Arborvitae or White Cedar).

4 to 6 in. X	5.00	18.00	150.00
12 to 18 in. X	9.50	34.00	280.00
12 to 18 in. XX	18.00	65.00	600.00

globosa (Globe shaped).

4 to 6 in. X	15.00	50.00
8 to 10 in. XX	25.00	95.00

pyramidalis (Pyramid AV.)

4 to 6 in. X	25.00	135.00
7 to 10 in. X	9.00	30.00 160.00
12 to 15 in. XX	25.00	95.00 750.00

THE YEAR AFTER PLANTING

These little White Pines were about 1½ feet high, twice transplanted, and cost about 30c each.



TWENTY YEARS LATER

Photo near the same place shows trees 25 to 30 feet high. Worth \$50.00 or more each.



Quantity Prices YOUNG VINES



YOUNG BROADLEAF EVERGREENS

(insert): 12 inch balled Rhododendron on arrival.
(right): Same after 3 years' growth in good soil.

(25) (100) (1000)
BIGNONIA (Campsis)
—radicans (Trumpet Creeper)
12 in. S\$4.00 \$9.50 \$55.00

CELASTRUS (Bittersweet)
—orbiculatus (Oriental)
12 in. S 4.00 12.50 65.00
—scandens (American)
12 in. S 4.00 12.50 65.00

EUONYMUS
—radicans (evergr. Bittersweet).
8-12 in. (pot)10.00 35.00 300.00
—coloratus (wine-red in winter)
12-18 in. (pot)15.00 50.00
—vegetus (shrubby, showy fruit).
8-12 in. (pot)12.50 45.00 400.00

LONICERA (Honeysuckle)
—Japonica (Japanese)
1 yr. light 8.00 55.00
2 yr. No. 1 6.50 18.00 140.00
—sempervirens (Evergreen).
1 year 4.00 12.00 75.00

PARTHENOCISSUS (Ampelopsis)
—quinquefolia (Virginia Creeper)
6-12 in. S 3.00 10.00 90.00

WISTERIA
—Chinensis (Blue Chinese)
1 yr. S (12 in.) 6.00 20.00 150.00
—frutescens (American)
1 yr. S (12 in.) 6.00 20.00 150.00

(25) (100) (1000)
BUXUS (Boxwood)
—japonica (Hardy Box)
6-8 in. X\$20.00 \$70.00\$600.00
—Korean (hardy dwarf)
3-4 in. X15.00 50.00 400.00
2 1/4 in. pot20.00 70.00 600.00
—suffruticosa (Dwarf, English)
1 year X 6.50 22.00 195.00

ILEX (Holly)
—crenata (Japanese)
8-10 in. X16.00 55.00
12-15 in. X25.00 85.00
—convexa (Boxleaf)
4-6 in. X10.00 35.00 275.00
8-10 in. X17.00 60.00
6-10 in. XX22.00 75.00 600.00

—opaca (American)
12-15 in. X25.00 80.00
6-12 in. (pot)18.00 60.00

KALMIA (Mt. Laurel)
12 in. (Ball)12.00 42.00 360.00

(25) (100) (1000)
LEUCOTHOE catesbaei
12 in. (Ball)12.00 42.00 360.00

MAHONIA (Hollygrape)
—aquifolium (Oregon)
6-10 in. X17.50 55.00

OSMANTHUS aquifolium
2 in. pot14.00 45.00 350.00

PIERIS japonica (Andromeda)
4-6 in. X12.00 40.00 335.00
8-10 in. X15.00 55.00 450.00

PYRACANTHA (Firethorn)
—Lalandi (hardy)
2 1/4 in. pot15.00 50.00 450.00
3 in. pot25.00 80.00 750.00

RHODODENDRON maximum
12 in. (Ball)10.50 37.50 340.00

—Carolina (pink, May)
12 in. (Ball)16.00 58.00 500.00

—Catawbiense (June)
12 in. (Ball)16.00 58.00 500.00

BOOKS PRICES POSTPAID

How and Why of
Better Gardening
(Manning)

Thousands of gardeners have found this basic book of "more real help than a shelf of cyclopedias." "Exciting as a novel," "certainly no other book exists like it." If you have been confused by the complex rules and instructions in ordinary garden books, you will find here quick, sure enlightenment. Yet expert gardeners, even more than beginners, are writing about this book's surprising usefulness. "Pays for itself ten times over."

\$4.00 postpaid

The Book of Trees (Hottes).
Fine introduction to trees.
Complete except on conifers. \$4.00

The Book of Shrubs (Hottes).
Grand companion to the above.
Complete except Azaleas, etc. \$4.00

Tree Experts Manual (Fenska).
Outstanding chapters cover the diagnosis of tree trouble, when to spray, formulae, materials, tree feeding, soils, transplanting, pruning, wound dressing, bracing and cabling, tree surgery, selection of trees, etc. \$5.00

How To Increase Plants (Hottes).
Presents all the methods followed by the commercial propagator. Written especially so that the amateur can readily increase his own plants. \$3.00

How To Landscape Your Grounds (Johnson).
Not to be found in any other landscape book are its planting plans covering practically every section of the country. A complete guide to the planning, construction and planting of the garden and grounds. \$3.50

Success with Wild Flowers (Pellett).
200 pages, 116 illus. Four 4-color plates. Reveals the possibilities of developing attractive floral displays in the garden thru the sole use of field and woodland natives. Includes most of the common wild flowers suited for cultivation in the Northeastern States and the best from the West. \$2.50

Climbers and Ground Covers (Hottes).
Complete (250 pp.) new (1948) and the only work covering these types we know. \$3.00

Dwarf Fruit Trees (Lucas).
A brief well illustrated manual. How to choose, train, prune, etc. \$3.00

FERTO - POTS

Ferto-Pots are manufactured from a rich rotted cow manure mixture in automatic pot machines and then kiln dried. The pots soften up only in moist soil after planting out after seedlings are big enough. Start your seeds, seedling plants, cuttings, bulbs, etc., in Ferto-Pots and insure quicker, better results; no wilt, no setback in transplanting. Pot goes into the ground without disturbance or shock to the root system and continues to feed the growing plant.

(Postpaid)—2-in. diameter, 100 for \$2.75; 2 1/2-in. diameter, 100 for \$3.00; 3-in. diameter, 100 for \$3.50.

SPACING FRUIT

Apple, Standard	30 by 30 ft.
Apple, Dwarf	10 by 10 ft.
Cherry	25 by 25 ft.
Peach or Plum	20 by 20 ft.
Pear, Standard	25 by 25 ft.
Apricot	12 by 12 ft.
Raspberry	2 by 4 ft.
Grape	8 by 10 ft.
Blueberry	4 by 6 ft.
Chestnut	30 by 30 ft.
Walnut	40 by 40 ft.

Fruit trees are planted like any other deciduous tree. (p. 23.) Most need some care, but those most labor-saving include: Crab-apples, Bush-cherry, Blueberry; Blackberry, nut trees and (in regular fruit) the dwarfed forms rather than the standard trees. An orchard so planted can be less than half as much work and expense.

FRUITS

SELF-STERILE FRUITS

Many fruits do not bear good crops if planted separately. Pollen from nearby trees of different variety is often needed. Noted on these pages by:

*—self-unfruitful. Do not plant by itself, but always with another variety of the same fruit.

(P)—good pollinizer.

Pages 51 to 56



Huge Hybrid Blueberries

Really beautiful as specimens or in hedges. Suited for use in small quantities in the small garden. A 100-foot hedge will pay about \$25 worth of berries a year! (Spaced 18 ins.)

Why Wait? Plant Some NOW!

And enjoy the berries sooner. Not only will they add to your garden but will pay back cost many times over! Hardy throughout U.S.A.

NAMED KINDS	(Each)	(10)	(25)
3 year, 12 to 18 inch	\$2.00	\$13.50	\$30.00
3 year, 18 to 24 inch	2.75	20.00	—
MIXED: (All varieties are splendid eating)			
12 to 18 inch	—	12.00	25.00
18 to 24 inch	—	16.00	35.00

Jersey. Large, vigorous. Hardest. Early July.
Atlantic. Extra large, vigorous; late.
Rancocoas. Early, good quality.
Pemberton. Large, mild and bland.
June. Erect bush. Early. Dark blue berries.
Burlington. Large, latest of all.
Rubel. Tall grower, erect. Late.
Dixie. Huge. High flavor.
Weymouth. Earliest of all. Best for cooking.



BLUEBERRY CULTURE

Set the plants in beds 4 feet apart each way. Several varieties should be included in every planting, as an exchange of pollen is necessary to produce good crops of berries. Or order "mixed" if you wish — we will assort for good pollenization.

You will get fruit if you just leave 'em alone. But more and larger if you cut out all old canes, and keep new shoots coming. Also when in bloom cut away about half each flower cluster. Fertilize in May.

Blueberries require an acid soil containing peat or other rotted vegetable matter. They need a moderate supply of soil-moisture, and good drainage so that the roots can get air during the growing season.



Photo: Dwarf Apples bear heavily.

(Below): Espaliers often bear first year.



Ten to twelve feet is the maximum height to which true dwarf Espaliers will grow. Little pruning is needed—beyond keeping the small new spurs from reaching more than six inches outside of the main stems. When a spur has borne it will continue to bear. Pick the stem with the fruit.

In planting against a wall, place the tree six inches away and allow 18 inches root space—requiring a space in all two feet out from the wall.

Dwarf Fruit Trees

Available in All Varieties on Next Page.

A tree whose fruit is as large or larger than ordinary, but which never grows very tall—perhaps ultimately 12 to 15 feet. Space 12 ft apart.

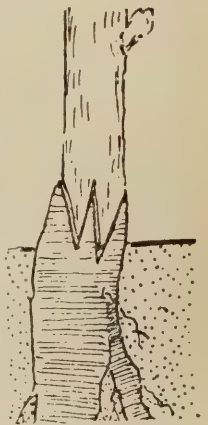
A dwarfed tree can be sprayed, pruned and picked by hand without ladders, equipment or professional skill. It bears much earlier in life, in its third or fourth year at latest—often earlier—and carries amazing loads of fruit. Dwarfed fruits (especially Plums and Peach) are less liable to borers and other pests.

PRICES: All kinds listed below:
(50c packing on orders under \$10.00)

- 1 year—Not branches\$2.60
- 2 year—Branched 3.90
- 3 year—Heavier 5.25

All three ages are about the same height. Most are 3 to 4 feet high, but apples often are still dwarfed. If extra dwarf apples wanted, specify Malling 9.

Planting Depth should be so that the graft is just above the ground or an inch above. If too deep the scion develops its own roots and tree is no longer dwarf. If too high, rootstock suckers.



Standard Fruits

Available in All Varieties on Next Page.

- APPLES—2-year, 5 ft. 11/16 in.\$2.25
- CHERRIES—2-yr., 5 ft. 11/16 in. 2.85
- PEACHES—1-yr., 4-5 ft. 9/16 1.75
- PEARS—2-yr., 4-5 ft. 2.10
- PLUMS—2-yr., 4-5 ft. 2.10
- APRICOT—2-yr., 4-5 ft. 2.10
- NECTARINE—1-yr., 3-4 ft. 1.85
- QUINCE—2-yr., 4-5 ft. 2.50

Espaliers

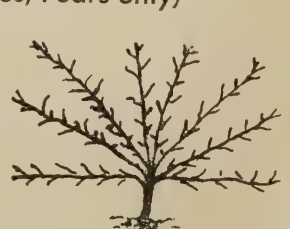
(Available in Apples, Pears only)



U-Form
4 to 6 feet
2 feet wide;
\$11.25 each



Four-Arm
5-6 ft. (heavy)
(4 feet wide)
\$16.75 each



Fan-Shaped
6 to 8 feet
(8 feet wide)
\$16.75 each

Peach Zone V.

Needs annual pruning. Standard: Space 16 ft., bear 3rd year. Dwarf: Space 10 ft., bear 2nd yr.

Belle of Georgia. White, rich flavor. Vigorous, productive. Sept. Extra hardy.

Champion. White, firm, sweet, juicy, thin-skinned. Extra hardy. Eating, cooking, canning. Sept.

Elberta. Yellow. Fruit large, firm. Good canning. Sept. 15.

Early Elberta. Similar, but a week earlier.

Golden Jubilee. Yellow. Aug. Extra hardy. Juicy, sweet.

Valliant. Yellow, extra hardy, Late August. Large, good fruit.

• **Hale Haven.** A marvelous large yellow peach. Hardy. Delicious flavor. Early Sept.

Pears Zone IV.

Dwarf: Space 12 ft., bear 3rd year. Standard: Space 20 ft., bear 6th year.

• **Bartlett.** Large, rich juicy, golden. Canning, eating. Sept.

• **Beurre Bosc.** Very large, rich, juicy. Late Sept.-Nov. Eating.

Duchess d'Angouleme. Extra large, greenish yellow, spotted. Excellent. Young bearer.

• **Clapp Favorite.** (P) Fruit large, pale, fine-grained, juicy. August.

• **Seckel.** Small, attractive. Blight-resistant. Sept.-Oct. Eating, pickles.

• **Gorham.** A Bartlett, 3 weeks later.

• **Anjou.** Large yellow. Tender, very juicy, spicy, rich. Eating. October.

Cherries (Prunus)

Need heavy pruning on planting. Standards: Space 20 ft., bear 5th year. Dwarfs: Space 12 ft., bear 3rd year.

SOUR (P. Avium) Zone IV.

Early Richmond. Clear red, medium sized. June.

Montmorency. Largest, firm flesh. Disease resistant. Finest quality. June.

English Morello. Best late variety. Mid-July. Tart, large, red.

SWEET (P. Cerasus) Zone V.

• **Black Tartarian.** (P—Best.) Purplish black, juicy, rich flavor. June.

• **Windsor** ("Black Oxheart"). Large, dark, juicy, firm. July.

• **Napoleon** ("White Oxheart"). Rich, sweet yellow. Late June.

• **Schmidt Bigereau.** Huge black. Delicious. Early July.

Plums Zone III.

Dwarf: Space 12 ft., bear 3rd year. Standards: Space 20 ft., bear 5th year. Trifloras and European varieties do not cross-pollinate.

TRIFLORAS (P. Salicina)

• **Abundance.** Red, medium sized. Flesh yellow, juicy. Vigorous, productive. Aug.

• **Burbank.** Red, medium sized. Flesh yellow, very juicy. Late August.

Santa Rosa. Large juicy red. August.

• **Formosa.** Large yellow. Sept.

EUROPEAN (P. domestica)

German Prune. Large dark blue. August.

• **Lombard.** Medium-size, juicy, dark red. Hardy, prolific.

• **Reine Claude** (Bavay's Green Gage). Large yellow. Late Sept.

Stanley. Large dark blue prune. Annual bearer. Late Sept.

Damson. Small, purple. Cooking. Sept.

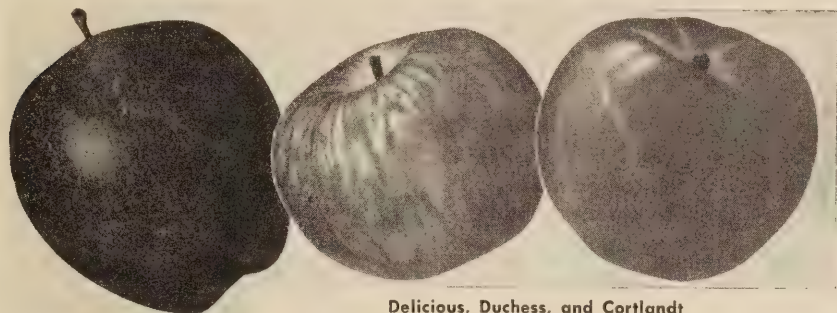
• **Shiro.** Gold, juicy. August.

• **Bradshaw.** Large dark violet. Annual bearer. Delicious quality. Sept.

Quince Zone IV.

Standard: Space 16 ft., bear 5th year. Dwarf: Space 10 ft., bear 3rd year.

Orange. Large yellow. Sept.



Delicious, Duchess, and Cortland

The APPLES (Malus) Zone III

Standard: Space 25 ft., bear 7th year. Dwarf: Space 12 ft., bear 3rd year.

CRAB APPLES

Hyslop. Large, purplish red. Flesh yellow, pleasant. Biennial.

Dolgo. Handsome flowering crab. Makes ruby red juice. Sept.

SUMMER APPLES

Red Astrachan. (P) Large striped red. Young biennial bearer. Eating, cooking.

Early McIntosh. (P—best for Northern Spy). Like McIntosh. Biennial bearer. Eating, cooking, baking.

Yellow Transparent. Golden, juicy. Young biennial bearer.

Duchess Oldenberg. (P) Extra hardy, large striped. Biennial. Eating, baking.

AUTUMN APPLES

Gravenstein. Large striped red. Good quality. Eating, cooking.

• **McIntosh.** (P) Striped; delicate, aromatic flesh. Young annual bearer. Eating, cooking.

• **Red McIntosh.** (P) Solid red form, otherwise the same.

Wealthy. (P) Striped red, wonderful flavor, juicy. Young annual bearer. Eating, cooking.

WINTER APPLES

Baldwin. Large, red, hardy, good quality. Biennial bearer. Eating, cooking.

• **Cortland.** (P—best for McIntosh.) Larger, late keeping McIntosh. Annual bearer. Eating, cooking.

• **Cox Orange.** Delicious dessert quality. Medium size red.

• **Delicious.** (P) Crimson. Crisp, tender, juicy. Annual bearer. Eating.

• **Golden Delicious.** Large, yellow. Marvelous flavor. Young annual bearer. Eating, cooking.

Russet. Highest quality cider-apple. Spring, eating, baking.

• **Northern Spy.** (P—for all but McIntosh). Large red, striped, high flavor. Annual bearer. Eating, cooking.

• **Red Delicious.** (P) Solid red. **Rhode Island Greening.** Large green-yellow. Annual. Eating.

Rome Beauty. (P) Heavy annual bearer. Striped, large. Eating, cooking.

• **Stayman Winesap.** Young annual bearer. Zone V or South. Crisp, winey, juicy. Baking, eating.

NUT TREES

There are good nuts to be grown in the north. Chestnuts from seed are young, heavy bearers. The grafted Walnuts are hardier and also bear heavily and young. The first two years mulch well with hay or straw. Water if drought comes. Do not plant deeper than they were in nursery.

BLACK WALNUTS—Zone IV

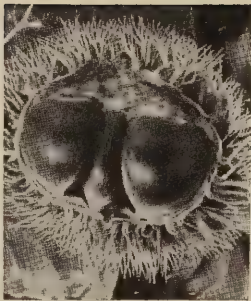
One of our most beautiful native trees, growing well in any fertile well drained soil. The grafted sorts bear their first nuts commonly in the third to fifth year. **Thomas** is a rapid-growing tree. The meat is attractive and tasty, falls out easily in halves.

2 to 3 ft.\$2.50 each, 3 for \$11.25

Grafted English Walnut

Grafted on black walnut roots, it becomes hardy in Zone V, can be grown safely, fruited easily.

Franquette—Fine nut, thin shells. 2 year grafts.....\$4.25, 3 for \$11.50



CHESTNUTS BEAR YOUNG

Photo: Chinese Chestnut 41 inches tall (3-4 ft.). These are 18 burs, each containing 3 nuts. 54 chestnuts on a baby tree!

CHINESE CHESTNUT

(*Castanea mollissima*.) Similar to the American in flavor (sweet) but inured to the Chestnut blight. Zone V. Bears very young. Needs cross pollenizing, we will not sell less than 3 trees:

18 in S5 for \$6.50, 100 \$95.00
2 feet X3 for \$7.50, 10 \$20.00
4-5 feet X2 for \$8.00, 10 \$35.00

Heavy Bearing Age Trees are available in selected Chinese chestnuts. Now 6 to 7 feet high, trees carefully marked in the nursery, for shipment this spring. Price, packed, \$6.50 each, 2 for \$12.00. You can have nuts this fall, but order soon as the supply is not large.

PECAN—(See page 25.)
CHINQUAPIN—(See page 25.)



European Filberts

Shrub to 15 feet, hardy in Zone III. Because of pollination, all three of the following varieties ought to be planted together: **Barcellona**, **DuChilly**, and **Daviana**. (2 year grafts).

3 for \$11.50 6 for \$22.00

American Hazelnut

Coryllus americana, a spreading shrub to 9 ft., hardy in Zone IV. Smaller, but tasty nuts. Disease resistant.

2 to 3 feet X5 for \$5.00

BERRIES

Black Raspberry

Bristol Black. Fine bearer.
(10) (25)
Zone III \$2.50 \$5.00

Purple Raspberry

Sodus. Heaviest bearer of all raspberries \$2.75 \$5.50

Yellow Raspberry

Amber. Large fruits, high quality. Zone IV. \$5.00 \$10.00

White Blackberry

Crystal White is a novelty whitish blackberry. Fairly good flavor. \$2.75 \$19.00

Berries come on old wood only, so prune right after picking.

Red Raspberries (10) (100)

(*Rubus Strigosus*) Zone I
Latham. Old variety, very dependable. \$2.75 \$18.00

Indian Summer. Crops spring and autumn. "Everbearing". 2.75 20.00

Blackberries

(*R. Species*) Zone III
Alfred. Large, upright and dependable. \$2.50 \$15.00
Eldorado. The standard variety. 2.50 15.00

Dewberry

Lucretia is hardy in Zone VI. Like a blackberry, but better. Trailing. \$2.50 \$15.00



Wineberry

(*R. phoenicolasius*) (10) (100)
Z. V. Juicy, red, fragrant. Fruit in large clusters. Absolutely laborless. Bears on both old and new wood—so might fruit next summer! Unique. 1 year \$4.00 \$25.00

Thornless Boysenberry

Huge, 2 in. berry, highest quality of all brambles. Prolific. No better berry known. Zone VI.
1 year \$2.75 \$15.00

UNUSUAL FRUITS

MEDLAR

Mespilus germanica. Zone V. Small tree, with pear-like fruit, of unique, soft, acid flavor, must ripen after picking.

1 year grafts.....\$3.00, 3 for \$7.50
2 year grafts.....\$4.50, 3 for \$12.50

New American Mulberry

Ever-bearing, from June until September. Large, refreshing berries without the mawkish sweetness. Zone IV.

3 to 4 ft.\$3.25 each, 10 for \$28.50

Beach Plum

Prunus maritima grows 6 to 8 ft. high, hardy into Zone III. Thrives in gardens better than on seashore. Good drainage. Fine, useful plums.

1½-2 ft.\$2.50 each, 10 for \$20.00

Paw-Paw

Asimina triloba is a small tree. Zone V. Rich, damp soil. 3-inch brown "bananas", Oct.

3 to 4 ft.2 for \$9.00 ppd.

Dwarf Juneberry

Amelanchier berries are known as "Bilberries" or "Serviceberries." Dark red fruit in July. This form grows to 12 ft. Zone II.

1½-2 ft. \$2.25 each, 10 for \$15.00

Native Persimmon

Diospyros virginiana makes a 20 foot tree, moist soil. Zone VI. Fruit late fall, like figs.

1½ ft.10 for \$2.00, 100 \$10.00

4 to 5 feet2 for \$7.75

Highbush Cranberries

Large fruited, heavy-yielding type of *Viburnum trilobum*—high in pectin. Zone I. Make sauce or jelly, same as with cranberries, but strain to keep out pits.

2 feet\$1.50, 10 \$11.00, 100 \$95

—**Wentworth**, a variety with better "jelling" properties.

2 feet\$2.50 each, 10 \$18.00

Adams Elderberry

The large berries and extra fruit clusters are a decided improvement for pies, jam and wine. Zone IV.

1½ feet\$1.35 each, 10 for \$9.00



Photo: Highbush Cranberry

Hansen Bush Cherry

5 feet, Zone III

Covered with dark red cherries the size of plums. Masses of fragrant white blooms in May. Silvery leaves turn gold and flame in autumn.

12 inch X10 for \$5.00, 25 \$10.00
4 to 5 ft. X\$3.00 each

Nanking Cherry (*Prunus tomentosa*). 4 ft. Zone IV. Very handsome. Good pies.

2 to 3 ft. X\$2.25 each, 10 \$12.00



Thyme assorted, Stepping-Stone Collection: Four kinds suited to growing between flags; spice the air, yet do not suffer from trampling: White Creeping Thyme, Crimson Thyme, Wolly Thyme, Lemon Thyme.

3 each, 12 plants\$7.50 (ppd.)
12 each, 48 plants\$24.50 (ppd.)

Most herbs are easy to grow in average soil, well drained and in full sun.

Dried commercial flavors are sadly inferior in quality to fresh leaves picked as needed.

Kitchen Herb Collection: 3 each of six kinds: Chives, Peppermint, Rosemary, Tarragon, Sage, and Thyme, 18 plants in all, for \$15.00 postpaid.

Garden Roots

Asparagus is an easily grown perennial that last 20 years or more. Plant only about 4 inches deep. A rich manured trench hastens growth but is not necessary. Almost no insect pests. Paradise is the outstanding variety. (25) (100) (500)
2-year roots \$2.75 \$7.50 \$25.00

Rhubarb is a long-lasting perennial but requires rich manured beds for good production. MacDonald is the finest variety known. 3 for \$3 00, 10 for \$8.50 postpaid

PRICES HERBS POSTPAID

MINT for flavored drinks.

Peppermint—roots spread.
3 for \$2.25

Sage (*salvia officinalis*). 2 ft. Sun, gray leaf, purple flower.

3 for \$2.25 (6 for \$4.25)

Bergamot (*Monarda didyma*). 3 ft. Sun or shade. Fragrant leaves. Showy "Cambridge Scarlet" form.

3 for \$2.00

Lavender (*Lavandula veris*). 18 in. Fragrant leaf and flower. Gather flower spikes when buds open.3 for \$2.00

Rosemary (*Rosmarinus officinalis*). Must winter indoors except in south. Narrow spicy leaf, delicious.3 for \$2.25

Tarragon (*Artemisia dracunculoides*). 2 ft. Narrow, glossy leaf, aromatic.3 for \$2.25

Germander (*leucium chamaedrys*). 1 ft. Rosy bloom, dark shiny thick-set leaves. An excellent clipped dwarf hedge. Tolerant.3 for \$1.85, 6 for \$3.50

New Hybrid Grapes

High quality grapes on far less vigorous (and less troublesome) vines.

No permanent canes needed; only a short trunk or shank. Grapes grow on new wood, which is pruned away each year.

Most kinds bear about Concord time. Bacco, Florence, Angele are perhaps two weeks earlier. Siebel 14 and Jacques wolf, a week later.

The European Grape (*Vitis vinifera*) is far superior to our native grapes. However, it has not the stamina to withstand sub-zero weather and succumbs disastrously to disease, while our hardy native grapes remain immune.

Breeders have produced varieties that combine the best qualities of both species to produce the ideal grape vine: namely, resiliency to our cold climate and diseases; absence of all foxiness, as with the old Concord. These Hybrid Grapes possess a pleasant sweetness and a certain native fruitiness, that makes them in many respects far superior to the California as either fine table or excellent wine grapes.

They lend themselves to Spur pruning. This quality simplifies the pruning and care of the vines and permits one to easily train them into permanent pleasing patterns. They can be grown even on a six foot pole, to produce from 10 to 30 pounds of luscious grapes. The clusters are of immense size, some of the varieties have as many as 150 big clusters the second year planted.

Grape Culture calls for plenty of humus in the soil. Old manure is far the best form, to produce vigorous spring growth. Extra moisture is needed as fruits fatten in summer. Otherwise grapes may be small, dry.

STEBEN (Blue-Black)

(N. Y. State Experiment Station)

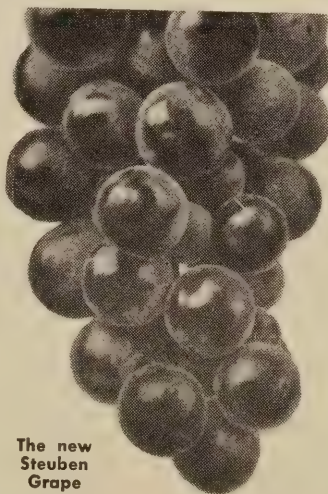
Exquisite flavor. Melting, tender, sweet. Grows huge, perfectly formed, long slender clusters. Fruit is of outstanding quality, and the vine very hardy. (Zone IV. No spraying necessary—it is absolutely free from rot and mildew. Ripens a few days before Concord, but keeps well until Christmas. The greatest blue Grape ever grown. Supply limited—order early.

2 yr. \$2.00 pdd. (2 for \$3.50)

ROMULUS SEEDLESS

New American-European hybrid to Zone IV. Mid-Sept. Yellow, sweet, meaty. Fine seedless variety.

2 yr. \$2.00 pdd. (2 for \$3.50)



The new Steben Grape



STURDY, WELL ROOTED VINES—Zone V.

2 Year No. 1

\$2.75 each postpaid

BACCO No. 1—Fine strong growing plant, excellent for trellises, dark red, medium size berries, good wine and table grape.

SIEBEL No. 1—Black, long clusters, tart, fine for wine and jelly.

SIEBEL No. 14—Enormous big clusters, shouldered cluster, big berries, good table and wine grape. Black.

WESTCHESTER—Roseate white, long clusters, very sweet, finest for table and wine, very abundant bearer, absolutely free of foxiness.

MADELEINE—White Muscat, big berries, long clusters, finest of table grapes.

FLORENCE—Pink, loose cluster, big berries, extremely sweet, very prolific, fine table grape.

ANGELE—Black medium berries, loose cluster, very sweet, absolutely vinefera, finest table grape.

JACQUES WOLF—Black grape, big cluster, fine for wine and jelly. (Aestivalis X St. Jacques.) Vinifera.

SIEBEL No. 5860—Good table and wine grape, white, good all around qualities.

MARGUERITE—Black grape, big cluster, good for table.

ELLEN SCOTT—Red, very sweet, fine table grape.

VAN BUREN (New Black)

American type. An early, sweeter and juicier Concord type. Heavy producer. Zone III.
2 yr. vines \$1.50 pdd.

GOLDEN MUSCAT

California type, fine aroma. Large juicy, sweet and tender. Zone VI.
2 yr. vines \$1.50 each.

INTERLAKEN SEEDLESS (New White)

New American-European hybrid hardy in Zone IV. Very sweet, meaty and crisp. Amber color, tangy flavor. Ripens early (Sept. 1st).
2 yr. \$2.00 pdd. (2 for \$3.50)

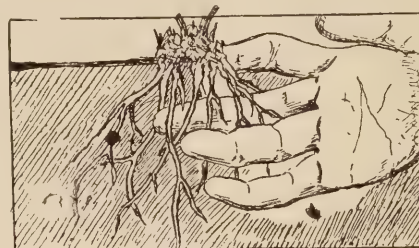
MODERN HARDY HERBACEOUS PERENNIALS

PAGES 54 TO 61

On these six pages is packed more information and variety than in many a large perennial catalog. Strong, sturdy field-grown clumps are offered, except for kinds that do best in pots. Perennials are not shipped until late April and May as a rule, but **ORDER NOW**. We'll ship at the right time. Add 35c handling on perennial orders under \$2.50, otherwise all prices postpaid East of the Rockies.

PERENNIALS last for years in the ground. One plant in New England has been recorded at four generations.

HARDINESS is sufficient to grow most kinds up to Zone IV. Extra hardy sorts include: *Aquilegia*, *Campanulas*, *Dianthus*, *Delphinium*, *Hemerocallis*, *Iris*, *Lilium*, *Peony*, *Phlox*.



ROOT CLUMPS. Most perennials come as sketched above. Work the loose earth well in among the roots; spread roots gently to allow this. Water well to settle. If growth has started, shade from direct sun first few days.

Astilbe Fanal

The name means "lighthouse" and the fiery red spikes brighten any garden. May-June. 15 inches high. Space 12 inches. Rich, humus, sun or semi-shade. 3 for \$3.25.

True Bleeding Heart

Dicentra spectabilis. Old favorite. Showy pink all summer. Space 19 inches, shade. Plant early in spring or wait till fall. 3 for \$2.75, 6 for \$4.50.



Photo: Aster Frikarti

Aster Frikarti. The finest garden plant introduced in the last 20 years. Mass of flowers June to November. Sun or light shade. Ht. 30 in., space 15 in. Lavender blue. 3 for \$1.75. 6 for \$3.00.

Fall Asters. Tolerant, tall. Any one kind priced 3 for \$1.75. 6 for \$3.00.

Harrington Pink—best pink.

HARDY CHRYSANTHEMUMS

Here are the best for gardens. All need good drainage, yet water and manure in summer. Pinch back shoots in June and July. Space 15 in.

Large Hardy Doubles

All early Oct. extra showy:

Burgundy—glowing wine-red

Lavender Lady—clear color

Carnival—orange, bronze

Chippewa—large purple-red, extra hardy.

Red Velvet—dark crimson

Olive Langland—salmon pink

Any one kind: 3 for \$1.90.

Cushion Mums

Mounded bushes, covered with bloom Aug. to frost. Extra hardy. ("AZALEA"—Mums)

Pink Cushion

Red Cushion

Bronze Cushion

White Cushion

Yellow Cushion

Any one kind: 3 for \$1.75.

Shasta Daisies

Super hardy (Zone II). 2 ft. Summer blooming.

Alaska — single white, yellow center. June-July. 3 for \$1.95.

Cobham Gold—double cream and yellow, crested. All summer. New. 3 for \$4.50.

Majestic—double row of frilled pure white petals. Most all summer. 3 for \$2.50.

Mt. Shasta—fully double white, 3-inch across, all summer. 3 for \$2.25.

Spoon Mums

The ray petals are quilled like tiny spoons. Good cut-flowers. October.

Orchid Spoon

White Spoon

Yellow Spoon

Any one kind 3 for \$1.95 ppd.

Cushion Pompons

Bushy little plants filled with bloom.

Ruby Pompon—finest red

Charles Nye—new yellow. Bright.

Any one kind: 3 for \$1.75.

Three each both kinds for \$3.40.

IRIS ARISTOCRATS

Modern Tall Bearded Iris

(Sun, drain, normal soil)

Azure Skies—Low, ruffled, solid blue. \$.65.

China Maid — Blended pink, bronze and lilac. Still good. \$.95.

El Capitan—Giant lavender blue, on 40-inch stems. \$.50.

Elmohr—Many, very large purple blooms. \$.75.

Frida Mohr—Large, perfect, tall lilac-rose. \$.65.

Gudrun — Sereval huge pure white blooms per stem. \$.60.

Indian Chief—Light red and velvet red. Extra fine. \$.60.

Lady Mohr — Oyster white and chartreuse. Impressive. \$.75.

Ormohr—Immense blooms of silvery violet, veined violet. \$.75.

Rosy Wings — Pinkish brown, orange beard. Fragrant. \$.80.

Sharkskin — Very large, very white. Showiest. \$.65.

The Red Douglas — Large, red-orange. \$.90.

IRIS KAEMPFERI

Japanese "Beardless"

(Moist, part shade, fertilize)

July, 2 to 4 ft.

Largest Iris.

3 of one kind \$2.25

Purple and Gold — double, free-blooming, large.

Mahogany—dark red.

Kagari Bi—rose-pink.

Gold Bound — huge white.



TREE PEONIES

\$5.50 each (ppd.)

Because of their novelty and great beauty, Tree Peonies are rapidly becoming one of the most desired plants. They bloom earlier than ordinary Chinese Peonies and their flowers are of immense size. (5-inch pots, 2-years old.)

J. Pirlet—globe, carmine-pink, double.

Flora—immense, white, single.

Aurore—single terra-cotta.

Argosy—single bright yellow.

Flambeau—double salmon-red.

Satin Rouge—double blood-orange.

Sour. de Ducher—double, red-violet.

Lorraine—large salmon yellow.



Hardy PHLOX

There are getting to be so many varieties that this rigidly critical list will be helpful to many.

Decussata (Summer Phlox)

July to October. Space 10 inches, sun, drained, fertilized. Never water foliage. Fine new kinds, any one kind—

3 for \$1.90, 6 for \$3.50

Africa—Deep carmine red with deeper red eyes. A fine new variety, very large trusses.

Charles Curtis — Sunset-red in large panicles. Brilliant coloring.

Daily Sketch—Very large salmon-pink florets with crimson eye, in large panicles. An outstanding novelty.

Leo Schlagter — Orange scarlet florets in very large trusses, very popular.

Lillian — Beautiful pure pink without magenta. Good panicles of large florets. Healthy growth.

Salmon Glow—Pink, shaded salmon. Large, showy.

R. P. Struthers—Cherry-red.

White Admiral — Pure white large panicles, extra large individual florets. Good grower and a free bloomer. New.

Suffruticosa (Early Phlox)

Sun, drain, space 10 inches.

Miss Lingard—The best early white known. June to October.

3 for \$2.00, 6 for \$3.90

Setacea (Cushion Phlox)

Compact, neater than subulata, blooms both spring and again heavily in Autumn. Sun, drain.

Camla—Pure glistening pink.

3 for \$2.25, 6 for \$4.25

Subulata (Moss Pink)

A low spreading mat for full sun in drained soil. Bloom April and May. Any one kind—

3 for \$2.00, 6 for \$3.90

Atropurpurea—Showy red.

Vivid—Attractive pink, red eye.

Alba—Pure white.



Phlox decussata in July

PERENNIALS



Dianthus Hardy "Carnations"



Christmas Rose

Christmas Rose

Handsome, but much over-rated in current popular advertising. But a fine small plant.
Helleborus Niger. Tiny ever-green, with white blooms. December to March. 3 for \$6.00.

Lily of the Valley

Convallaria majalis. These are rooted clumps, ready to bloom, not mere "pips". Fragrant, white sprays in May. Rich soil, in shade. 3 for \$2.50; 10, \$8.00.

Hardy "Carnations"

Dianthus that look and smell like florists' carnations. Hardy. Blooms all summer.

June Carmine—rose
Old Spice—salmon-pink
Any one kind:—
3 for \$2.00, 6 for \$3.85

Baby's Breath (Gypsophila)

Bristol Fairy. Very dainty, many little blooms. 3 for \$2.50, 6 for \$4.50.
Rosy Veil. An early, compact dwarf Baby's Breath. Pink and white. 3 for \$2.50, 6 for \$4.50.

Funkia (Plantain-Lily)

Subcordata grandiflora. The well-known white August Lily. 3 for \$3.35, 6 for \$6.50.

Viola Odorata

Fragrant bloom all spring. Hardy, easily grown. Any one kind. 3 for \$1.95, 6 for \$4.00.
Royal Robe—large, deep purple.
Rosina — Pink, blooms again. Fall.

LILIES. Easy to grow in drained soil. Part shade, but some sun needed. Set bulbs 4 to 6 inches deep. Fertilize. Following are tolerant, easily grown.

Regal—5 ft. July. Sunny. Pink, white, yellow blend, fragrant. 2 for \$1.25, 8 for \$3.50.
Speciosum rubrum — 3 ft. Aug. Rose-pink dotted crimson. Fragrant. 2 for \$1.25, 8 for \$3.50 postpaid.
Fire King — 3 ft. July. Blazing orange-red with black dots. Very floriferous. \$1.35 each, 2 for \$2.50 postpaid.
Canadense—2 ft. June. Orange. Prefers sunny, damp site. 5 for \$2.00 postpaid.
Philadelphicum — 2 ft. July. Orange-cup Lily. Showy. 5 for \$2.00 postpaid.
Superbum—5 ft. July. Turks-cap Lily. White, spotted red. 5 for \$2.00 postpaid.
Magic Lily (Lycoris)—2 ft. clusters of lilac-pink in July. 3 for \$3.25.

Loosestrife (Lythrum)

Morden's Pink. Profuse spikes of rose-pink. June to Sept. Very tolerant. Height 2 ft., space 15 inches. 3 for \$1.95.
—**Robert**, new clear pink. 3 for \$2.25.

New Pyrethrum
Robinson's Crimson

Disease free, rich soil, sun. 24 inch. May-June. Extremely large single flowers, bright crimson. 3 for \$1.95; 6 for \$3.60.

The New DAY-LILIES

All gay, clean colors — not one of the old-fashioned "browns" are included. Here are the best in each color and season. Sun or shade; disease-free. Each kind blooms about 4 weeks. These new kinds are sensationally handsomer than old-fashioned day-lilies: larger, brighter, showier.



4 months of bloom	3 Cream Yellows (All 3 for \$2.75)	3 Clear Yellows (All 3 for \$2.75)	3 Good Pinks (All 3 for \$3.75)	3 Purple-reds (All 3 for \$4.00)
Early May-June)	Pale Moon—Pale yellow, 2½ ft. high \$.90	Earliana—Very fine early gold .....\$1.25	Symphony — Pastel pink. .........\$1.25	Purple Waters — Wine purple. Very vigorous. \$1.25
Midseason (July)	Patricia—Creamy yellow, green throat. Fragrant. .........\$1.25	Hyperion—The finest of all. Rich, waxy, tall. \$.75	Linda—Rosy pink bi-color. \$.90	Port—Port wine on well branched stems. \$1.35
Late (August)	High Boy—Very pale. 5 ft. high \$.75	Mrs. W. H. Wyman—Fine late lemon yellow. \$.90	Rosalind fulva rosea)— pinkest of all. ....\$1.75	Persian Princess—Velvet red, purple. .........\$1.50

50 CHOICE PERENNIALS

ANY ONE KIND ON THIS PAGE PRICED:

3 for \$2.10 (6 of any one kind \$3.95 postpaid)

Space) (Ht.) (bloom)

Space) (Ht.) (bloom)

ANEMONE Sept. Sprite—pink 12" 12" Aug-Oct
—japonica Queen Charlotte, dbl. pink..... 15" 30" Sep-Oct
—pulsatilla (Pasque flower), purple..... 9" 12" April

AUBRETIA Eyri (Wall Grass), violet..... 6" 6" Apr-May

CAMPANULA gargancia, blue, trails..... 9" 4" Jun-Sep
—rotundifolia (Blue-bells), blue..... 9" 12" Jun-Aug

DELPHINIUM belladonna, azure blue..... 18" 36" Jun-Sep
—bellamosum, deep blue..... 18" 36" Jun-Sep
—chinensis, intense gentian blue..... 12" 18" Jul-Oct

DORONICUM caucasicum, yellow..... 9" 24" May-Jun

GEUM—Mrs. Bradshaw, dbl. red..... 12" 18" June
—Lady Stratheden, yellow..... 12" 18" June

HELIANTHUS multiflorus—Peren-
nial Sunflower), yellow, sun 36" 50" Aug-Sep

HELIOPSIS incomparabilis, new, yellow.... 30" 30" Jul-Sep

IBERIS sempervirens (Candytuft), white..
—Little Gem, compact, neat..... 6" 6" May
—Snowflake, large white, compact..... 6" 6" May

LATHYRUS latifolius— Perennial)
Sweetpea), pink, red or white..... 12" 30" Jul-Aug

LYCHNIS chalcedonica, scarlet..... 12" 30" Jun-Jul
—viscaria, rose-pink..... 9" 12" May-Jul

MYOSOTIS palustris (Forgetmenots), blue 8" 9" June

PHYSOSTEGIA virginica Vivid, pink..... 12" 15" Jul-Oct

POLEMONIUM Blue Pearl, sun, lgt. blue.. 9" 12" Apr-May

PRIMULA Colossae, mixed colors..... 12" 9" Apr-May
—Ilone—New blue, shade..... 9" 9" Apr-May
—nunstead Yellow, yellow..... 9" 9" Apr-May

RUDBECKIA—The King, deep crimson.... 12" 36" Jun-Sep

SALVIA Pitcheri (Sage), clear blue..... 24" 36" Aug-Sep

SCABIOSA caucasica, blue..... 12" 18" Jun-Sep

STATICE latifolia Sea Lavender)..... 9" 15" Jul-Aug

STOKESIA Blue Moon, insect-free..... 12" 18" Jun-Nov
—Silver Moon, white..... 12" 18" Jun-Nov

THALICTRUM aquilegifolium, purple..... 18" 36" May-Jun
—glaucum Meadowrue), fragrant yellow.. 12" 24" Jun-Jul

TRADESCANTIA Pritchard, white..... 18" 18" Jun-Aug
—J. C. Weguelin, large blue..... 18" 18" Jun-Aug
—Pauline, orchid pink..... 18" 18" Jun-Aug

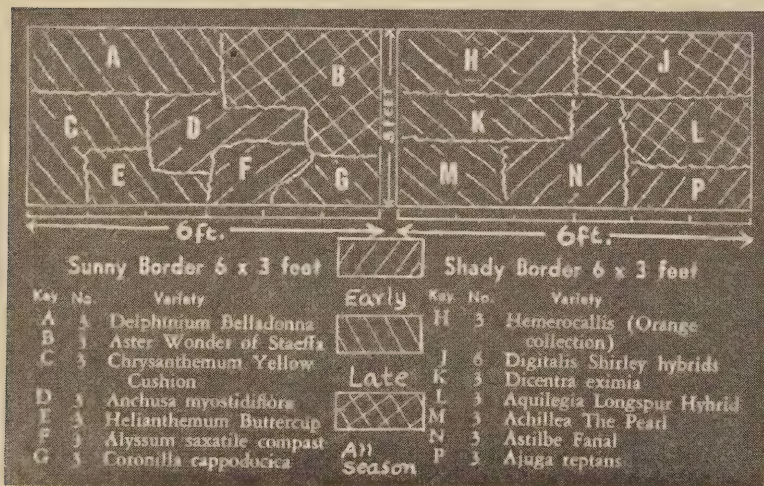
TRITOMA pfitzeri, "Glow", coral-red.... 12" 30" Aug-Oct
—White Giant, white..... 12" 36" Jul-Sep

VERBASCUM Pink Domino, pink..... 24" 36" Jun-Sep

VERONICA incana Speedwell), blue..... 6" 12" Jul-Aug
—rupestris, bright blue, mat..... 9" 6" May-Jun
—longifolia subsessilis, blue..... 12" 18" Jul-Sep
—Blue Peter, deep blue..... 10" 18" Jul-Sep

PLANNING A PERENNIAL BED

The first step is to run through the lists; jot down all kinds that will grow on your location. After each name mark height—low, medium or tall. Group the names in three lots —late, early and all-season bloomers.



Begin with the favorite flower: In the sunny border at left, Delphinium: Tall, late; space 12 inches. On paper marked in foot squares draw three square feet (any shape) and write 3 Delphinium. (This is minimum, fewer make no show.) Now the late garden is established as blue. A companion plant is all-season Aster Frikart. Heighten the early blue with Anchusa. Yellow is a fine complementary. Put Chrysanthemums and other yellow plants in front. For each, the planting distance is carefully drawn. Change with the eraser until you get it to suit available space. The shade border: Here the favorite plant is Aquilegia (Columbine) and the whole garden matches them, with the blazing Astilbe for early flash. Later, on the left is a white, with a rose behind it and orange beyond.

50 POPULAR PERENNIALS

ANY ONE KIND ON THIS PAGE PRICED:
3 for \$1.75 (6 of any one kind \$3.40 postpaid)

(Space) Ht.) (bloom)

ACHILLEA Angels Breath, white.....	12"	18"	Jun-Aug
—tomentosa (Woolly Yarrow), yellow.....	12"	18"	Jun-Sep
—Tagetta, pale yellow	9"	5"	Jun-Sep
AJUGA reptans Bugle), low mat blue.....	9"	5"	May-Jun
ALYSSUM saxatile compactum, yellow....	9"	12"	Apr-May
ANCHUSA dropmore, blue.....	8"	48"	Jun-Aug
AQUILEGIA Columbine)			
Chrysantha, gold.....	10"	24"	May-Jun
—chrysantha alba, white.....	10"	24"	May-Jun
—Long-spurred Hybrids, mixed.....	10"	30"	May-Jun
ARMERIA Thrift) laucheara, rosy	9"	6"	May-Jun
—montana, pure white.....	9"	6"	May-Jun
BELLIS (English Daisy), low mat mixed..	4"	3"	Apr-May
CAMPANULA carpatica, blue.....	9"	6"	Jun-Sep
—carpatica alba, white.....	9"	6"	Jun-Sep
—calycantha Canterburybell), mixed.....	10"	24"	May-Jun
CENTAUREA montana (Cornflower), blue	12"	24"	Jun-Sep
COREOPSIS Mayfield Giant, yellow.....	18"	18"	Jun-Aug
DIANTHUS (Pinks)			
—barbatus (Sweet William), mixed.....	9"	15"	Jun-Aug
—plumarius Garden Pinks), mixed.....	12"	15"	May-Jun
DIGITALIS (Foxglove) Shirley, mixed....	12"	60"	Jun-Aug
—gloxinae alba, white.....	12"	36"	Jun-Jul
—gloxinae rosea, pink.....	12"	36"	Jun-Jul

(Space) Ht.) (bloom)

ECHINOPS ritro (Globe Thistle), blue....	24"	24"	July
GAILLARDIA Hybrids, red to yellow.....	12"	18"	Jun-Oct
HIBISCUS Giant Mallows), mixed.....	36"	60"	Jul-Sep
HOLLYHOCK (althaea rosea), mixed.....	24"	60"	Jun-Aug
state color: red, white, yellow, pink)			
LINUM Norbonense Flax), blue	12"	24"	Jun-Aug
—flavum, yellow clusters.....	9"	9"	Jun-Aug
LYCHNIS chalcedonica, scarlet.....	12"	30"	Jun-Aug
NEPETA mussini Groundivy), lavender..	8"	12"	May-Sep
PENSTEMON Firebird, scarlet.....	10"	36"	Jun-Sep
PLATYCODON Mariesi (Balloon Flower)			
violet	12"	12"	May-Oct
—alba, white form.....	12"	12"	May-Oct
PLUMBAGO larpentae (Leadwort), blue....	12"	6"	Sep-Oct
PYRETHRUM ros. (Painted Daisy), mixed	15"	24"	May-Aug
SAPONARIA ocymoides, trailing, mat pink	6"	6"	May-Jul
SEDUM stone crop) Acre, yellow.....	6"	4"	June
—Dragon's Blood, d. red leaf.....	6"	6"	Aug-Sep
SILENE Schafta, rose-pink.....	6"	4"	Aug-Sep
VALERIANA coccinea, rose.....	9"	12"	Jun-Jul
VIOLA cornuta golden, yellow	6"	6"	Jun-Sep
—White Perfection, white.....	6"	6"	Jun-Sep
—Blue Perfection, blue.....			

Pure Labor

PERENNIALS
THAT TAKE CARE
OF THEMSELVES

	O = Bloom				
	early	May	June	Summer	Autumn
ASCLEPIAS tuberosa.
ACHILLEA ptarmica
ASTER frikartii
BAPTISIA australis
CAMPANULA medium
... rotundifol.
CORONILLA cappod.
COREOPSIS (var.)
CIMIFUGA racemosa
DICENTRA (varieties)
CYPRIPEDIUM (var.)
IRIS versicolor
... pseudacorus
HEMEROCALLIS (var.)
LIATRIS scariosa
LILIUM (most vars.)
LOBELIA cardinalis
LYTHRUM virgatum
MERTENSIA virginica
MYOSOTIS semper.
NEPETA mussini
PEONIES (most)
PENSTEMON barbatus
PHLOX subulata
... divaricata
THALICTRUM (var.)
THERMOPSIS carol.
THYMUS serpyllum
TRADESCANTIA (var.)
TRILLIUM (all)



SHADE PERENNIAL BORDER—Some showy yet labor-saving plants for such a position are:—Beardless Iris, Day-Lily, Lillies, Liatris, Lythrum, Mertensia, Tradescantia, Aquilegia, Digitalis, Ladies-Slippers, Campanula carpatica and Astilbe Fanal.

Wild Flowers

Lady-Slippers, Trillium Bloodroot, Jack-in-Pulpit, Blue-Bells, and early spring bloomers can be shipped only in fall.

Success with wild flowers is simply a matter of putting them in the soil, exposure and general climate to which they are accustomed. It is important to arrange gardens where associated plants are grouped, rather than try to make artificial differences of soil in the same bed. Coddling is apt to do more harm than good.



Easy to Plant
and Care for

Columbine

Aquilegia canadensis—2 ft. Red and yellow in late spring. Well-drained, sun or part shade. 5 for \$1.75 postpaid.

Butterflyweed

Asclepias tuberosa — 18 inch. Orange in June-July. Sunny, well-drained. 3 for \$1.60, 6 for \$3.00 postpaid.

Poppy Mallow

Callirhoe involucrata — Prostrate, trailing plant. Large rosy crimson flowers all summer and early fall. Dry, sunny. 3 for \$1.85, 6 for \$3.50 postpaid.

White Bugbane

Cimifuga racemosa—4 ft. Spikes of white, July-August. Stands shade. 5 for \$2.00 postpaid.

Plumy Bleeding-heart

Dicentra eximia — 12 inch. Rose pink throughout summer. Handsome cut foliage. Sun or shade. 3 for \$1.95, 6 for \$3.75 postpaid.

Shooting Star

Dodecatheon media—12 inch. Pink, April to May. Rosettes of large green leaves. Light moist soil, some shade. 5 for \$2.00 postpaid.

Cardinal Flower

Lobelia cardinalis—4 ft. Tall spikes of most brilliant scarlet in August. Rich, moist soil. 5 for \$1.75 postpaid.

Liverleaf Hepatica

Hepatica triloba—6 inch. Flowers vary from pink to blue-white, early spring. Acid, shade. 5 for \$2.00 postpaid.

Evening Primrose

Oenothera missouriensis — Dwarf, covered with yellow blooms all summer. 3 for \$1.85, 6 for \$3.50.

Great Solomons Seal

Polygonatum commutatum — 30 inches. White flowers in May. Handsome leaf. Peat, light shade. 5 for \$2.00 postpaid.

Carolina Lupine

Thermopsis caroliniana — 3 feet. Spikes of yellow pea-flowers in June-July. 3 for \$1.95, 6 for \$3.75 postpaid.

Blind Gentian

Gentiana Andrewsii — 12 inch. Bright blue, large flowers in clusters, August-September, that never open. Handsome, rare, moist soil. 5 for \$1.75 postpaid.

Coral Bells

Native to the West and South-West, handsome low leaves, with tall panicles of bloom nearly all summer. Ordinary soil. Any one kind, 3 for \$1.95, 6 for \$3.75.

Heuchera brizoides (lithophila)—2 ft., pale rose pink. Strong grower. —*sanquinea*—15 inch. Bright coral red.

Native Phlox

Phlox divaricata—masses of Lavender blue, April to June. 10 inch. 3 for \$1.95, 6 for \$3.75.

Blazing Star

Liatris pycnostachya — 5 ft. Tall spikes of rich purple in August-September. Unusual and attractive. Well-drained soil. 3 for \$1.75, 6 for \$3.00 postpaid.

Wild Iris

Iris cristata (crested)—8 inch blue, creeping. 6 for \$1.50 postpaid.

Native Azaleas

These, totally unlike the garden azaleas offered on page 8, must not be cultivated. A woody site, with lots of leaf-mold, and half shade is ideal. A piece of natural woodland is often suitable.

Calendulacea—Flame, May. Zone V.

Viscosa—White, June. Zone III. Any one of above, 12-15 inch clumps B&B at \$14.00 for 10, \$120.00 per 100.



Kalmia latifolia. (Mt. Laurel) Pink-white, June, Zone III. 8 ft.



Leucothoe cateshaei White, May, Zone V, spreads. 4 ft.



Phododendron catawbiense Purple, June, Zone IV, to 10 ft.



Rhododendron carolina Pink, May, Zone V, to 8 ft.



NATIVE

Aristocrats

The five flowering evergreen shrubs on this page are shipped from the mountains of North Carolina. Cold winters there makes them hardy. They are dug from natural growth in the open (not in woods) hence will succeed in normal garden conditions. Great care in digging, handling and packing has resulted in outstanding success in our customers' gardens—as good or better results than from plants cultivated in nursery rows for these kinds. Never fertilize, nor cultivate. Plant in acid peaty soil, mulch with dead leaves, prune as you may wish, then leave them alone.

Rhododendrons low as 37½¢, in few years, little care, will be bushy \$10 specimens.

SIZE 1: Small as Ships Safely

12-inch Seedlings (1 Stem) with a Small Ball.

This special "Young Aristocrat" grade measures about 12 inches dug with a little earth left on roots, but not burlapped. Plants weigh about one pound only. This stock is not to be compared for a minute with ordinary collected plants. It is on the contrary all carefully dug, the greatest pains being taken to preserve the roots. Carefully packed, it is easily planted and makes a quick start. Shipped from North Carolina, express runs only 8¢ each (in 100 lots).

Rhododendron	(25)	(100)
maximum	\$10.50	\$37.50
carolina	16.00	58.00
Catawbiense	16.00	58.00

Leucothoe		
catesbaei	12.00	42.00

Kalmia (Mountain Laurel)		
latifolia	12.00	42.00

OFFER A: 2 each above, 10 plants for \$9.25 postpaid.

OFFER B: 5 each above, 25 plants \$17.00 (express \$2.50 on arrival).

SIZE 2: As Small as Looks Shapely.

8 to 12 in. B&B. Clumps, 4 to 6 Stems.

These "Junior Specimens" weigh about 3 to 5 pounds per plant, individually burlapped. They are 2 years older than Size 1. Express runs about 25 cents per plant. You can expect some blooms the year after planting. These really "look like something" the day they are planted.

Rhododendron	(10)	(25)	(100)
carolina	\$15.00	\$35.00	\$132.00
catawblense	15.00	35.00	132.00
maximum	13.50	30.00	110.00

Kalmia (Mountain Laurel)			
latifolia	13.50	30.00	110.00

Leucothoe (Fetterbush)			
catesbaei	13.50	30.00	110.00

OFFER C

1 each of above
five plants for
\$9.25 postpaid.

OFFER D

5 each of above,
25 plants, for \$30
express about
\$5).

SIZE 3: Bushy Clumps 1½ to 2 Feet.

Most are budded for at least some immediate bloom. Large enough to use at once for foundations, shrub borders. Allow about 3 ft. space, which they will fill within next few years. \$4.50 each, singly.

Any five of the 5 kinds pictured here for \$16.75. (Express costs about \$5.00 for the 5 due to heavy earth balls.)

SIZE 4: Extra Large Clumps.

These are designed to give our customers an immediate effect for the least cost. Three kinds only:—

Rhododendron maximum 3-4 ft. B&B

Rhododendron catawbiense 2-3 ft. B&B

Mountain Laurel 3 to 4 ft. B&B

Sold only in boxes of 4 (assorted as you wish) 4 for \$22.50. (Express about \$5 for the box of 4.)

PHOTO: Rhododendron maximum
White, July (shade), Zone III, to 15 feet.



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